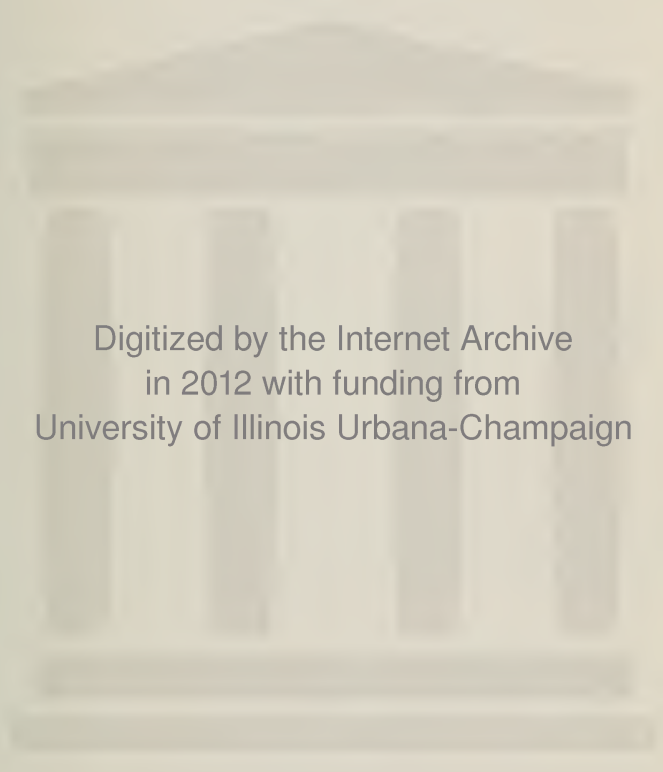


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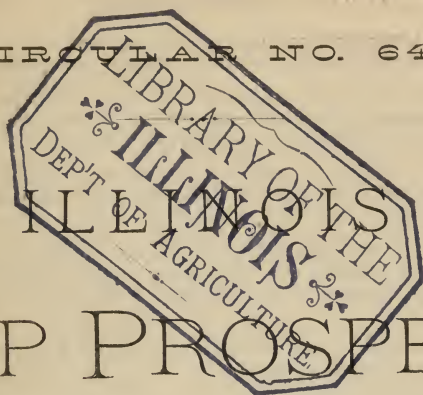
AGRICULTURE



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State Fair--Springfield, September 27th-October 2d, 1880.
Fat Stock Show--Chicago, Nov. 15th-20th, 1880.

CIRCULAR NO. 64.



CROP PROSPECTS.

Consolidation of Reports returned to the Department of Agriculture, May 1, 1880.

PROSPECTS.

The season of 1880 promises to liberally reward the efforts of the producer who has reason for encouragement in the general outlook for abundant crops.

The confidence inspired by the success attending the farming operations of the previous year has not only provided the means, but stimulated the majority of our most progressive farmers to enlarge and improve upon the work of the past season.

The rapid extension of the vast wheat area in the new northwest and the great improvement in the quality of live stock, so cheaply grazed in unnumbered herds on the boundless tracts of government land to the west and southwest has impressed our thinking farmers with the probability of overproduction of these staples, and with the necessity of more thorough culture of a greater variety of crops, and thereby in a great measure preventing the "glutting of the markets" with leading crops, and by such diversity of crops ensure reasonable returns for any surplus of the farm which should be reduced to the most concentrated and profitable form.

Farm work is well advanced for the season, and planting nearly completed.

219357

WINTER WHEAT.

In the northern counties the winter wheat was considerably injured, during the open winter and spring, by the frequent spells of freezing and thawing weather.

The want of the usual snow protection during the past open winter has exposed the wheat to the unfavorable changes of the season, which have been peculiarly trying to winter wheat, more especially in the northern counties.

On drained land, where the seed bed was properly prepared, and the wheat put in with a drill, the crop is generally in excellent condition and promises more than an average yield per acre.

The importance of drainage and thorough preparation of soil and care in seeding has seldom been more apparent than this spring, in the condition of the growing crop of winter wheat, which promises to liberally reward the farmer for the extra care and expense in seeding.

Wheat sown broadcast on low, level and wet ground is not up to an average, and but little better than that sown in standing corn, and much of the latter has been plowed up and the land seeded to other crops.

The wheat in the central and winter wheat counties of the state is up to a good average in condition, with fewer unpromising fields than for several years past.

The injury by drouth, insects and other causes is confined to few localities, and with these exceptions the leading winter wheat counties give promise of even a greater yield per acre than the "great wheat crop of 1879," while the aggregate yield of some counties, with the largely increased acreage, will far exceed the crop of the previous season.

The early sown wheat promises to make the largest average yield per acre. The growth in some localities is quite rank, and fears are entertained that the crop may lodge.

The acreage of wheat frozen out has in many instances been re-seeded to spring wheat.

The condition of wheat is up to an average in eleven counties, and above an average in forty-four counties, while twenty-three counties range from 75 to 95 per cent. of an average, leaving but twenty-four counties out of one hundred and two counties in the State below three-fourths of an average in condition, the majority of which are northern counties, which grow but little winter wheat.

WINTER RYE.

This crop is grown mainly for winter and early spring pasture.

The crop is generally in good condition, and has received but little injury from the weather during the past winter and spring.

The acreage is somewhat less than for the previous year, and the crop is quite evenly distributed over the State. No special attention is given to growing rye for marketing in any county.

MEADOWS.

The condition of meadows is hardly up to an average.

The growth of grass is very backward, owing to the cold, backward Spring.

The clover has been quite seriously injured by the freezing and thawing the past winter and spring and is quite generally winter-killed.

The timothy, red top and other grasses (excepting clover) show thick and vigorous growth, which of late is improving rapidly, and promises an average crop of hay.

Newly seeded clover meadows show a good stand of young grass.

PASTURES.

Pastures are rather backward in growth and in bad condition where pastured through the winter and early spring.

The cold and, in many sections, wet spring, has been very unfavorable for the rapid growth of grass.

There is more complaint than usual of the injury to pastures by grub worm and other insects which, however, is confined to localities.

More attention is given of late to the improvement of the quality and yield of pastures by sowing a greater variety of grasses which will furnish forage plants in succession during the growing season.

In the dairy sections of the state the culture of grass lands has received more careful attention, and the success attending the seeding and care of pastures has resulted in greatly improving the quality and increasing the quantity of meat and dairy products per acre.

FRUIT.

There has seldom been a better prospect for all kinds of fruit and berries than the present season.

The exception is generally the result of local frost or storms.

It is too early to make any predictions concerning the fruit crop, as the critical season has not passed.

LIVE STOCK.

There is but little complaint of disease of farm animals, which are healthy and as a rule in fine condition.

The number of head of live stock on hand, compares favorably with that of the corresponding period of 1879.

The increasing interest in sheep husbandry is quite perceptible, and the number on hand largely exceeds that of the previous year.

SOIL.

The soil breaks up much better than expected after the open winter and absence of the usual freezing weather.

There is considerable complaint in some sections that the heavy rains have packed the soil and made it difficult to pulverize to the best advantage for seeding.

AGRICULTURAL STATISTICS.

The great value of the crop statistics of this department mainly consist in their early and prompt appearance during the growing season, and immediately after harvest, when the information as to condition and yield is most needed to enable the producer and legitimate dealer to decide as to the supply and value of the crop.

The last official acreage of the several crops, as reported by assessors, is used as a basis for applying the estimate of crop correspondents as to the area and yield of the growing crops, and it is not to be expected that the estimates of correspondents will more than closely approximate the assessed returns reported the year following.

The estimate of correspondents, with few exceptions, have been below the returns of assessors made the succeeding year, and during the last three years the reports, when compared with the assessment, have confirmed the superior judgment and careful observations made by correspondents, who are farmers of experience and standing, and largely interested in the accuracy of the returns, and, as a rule, are inclined to the side of conservatism.

BASIS FOR ESTIMATING ACREAGE, CONDITION, ETC.

It will be observed that the number 100 is used to represent the acreage of the crop of 1879, with which the acreage of the present crop is compared; also, a fair average yield, and a fair average vitality and growth, unaffected by storms, insects and contingencies; an increase of one-tenth, or 10 per cent., is recorded 110; a decrease of 5 per cent. is marked 95, etc.

Respectfully submitted,

S. D. FISHER, Secretary.

1450

WINTER GRAIN, ETC.

AVERAGE CONDITION, WAGES FARM HANDS, ETC.

COUNTIES.	WINTER GRAIN		CORN	WAGES FARM HANDS.				RA'N FALL	DAIRY COWS.	
	Average condition Wheat May 1st, 1880	Average condition Rye May 1st, 1880.	Per cent. 1879 crop in producer's hands May 1st, 1880.	Per day with board	Per day without board	Per month, with board	Per month, without board	Month April, 1880.	Average condition May 1st, 1880.....	Per ct. on hand May 1st, 1880, compared with May 1st, 1879.
	Per c't	Per ct.	Pr ct.	\$	\$	\$	cts.	Inch.	Pr ct.	Pr ct.
Adams	89	100	31	.75	1.00	16 00	21 00	3¼	101	100
Alexander	110			.50	.75	15 00	20 00		100	100
Bond	114	110	31	.70	1.00	14 00	23 00		99	94
Boone	82	93	25	.90	1.15	17 50	26 00		96	101
Brown	97	108	20	.75	1.05	15 00	26 00	6	100	93
Bureau	45	80	53	.90	1.15	17 50	25 50		98	92
Calhoun	106	110	35	.55	.75	14 00	20 00	10	107	100
Carroll	45	105	62	1.00	1.25	18 00	26 00		77	100
Cass	80	88	30	.75	1.00	17 00	22 00	4	101	100
Champaign	110	100	43	.90	1.15	18 00	25 00		100	100
Christian	111	100	20	.75	1.00	16 50	21 00	3½	110	98
Clark	113	102	33	.70	.90	14 00	19 00	5	100	87
Clay	127	103	37	.60	.85	13 00	19 00		100	100
Clinton	103	205	12	.65	.90	14 00	23 00		98	92
Coles	110	100	25	.75	1.00	16 00	21 00		100	95
Cook	37	72	18	.85	1.10	15 00	26 00		102	101
Crawford	113	100	22	.65	.90	15 00	22 00	5	101	98
Cumberland	105	100	30	.60	.85	14 00	20 00	1¼	105	95
DeKalb	52	83	35	1.00	1.25	18 00	25 00		100	103
DeWitt	100	93	40	.80	1.05	18 00	25 00	6	100	96
Douglas	106	103	36	.75	1.00	15 00	24 00	6¾	110	100
DuPage	73	81	10	.90	1.25	17 00	27 00		95	106
Edgar	117	100	30	.70	.95	16 00	21 00	4½	93	96
Edwards	113		36	.80	1.05	15 00	20 00		86	93
Effingham	110	100	15	.75	1.00	16 00	20 00		95	100
Fayette	115	105	35	.70	1.00	14 00	23 00		105	100
Ford	45	76	50	.90	1.15	16 50	21 00	4	96	105
Franklin	97		23	.65	.90	13 50	19 00		110	97
Fulton	100	105	25	.80	1.05	15 00	21 00	3	92	106
Gallatin	98	97	38	.60	.85	14 00	21 00		95	90
Greene	168		21	.80	1.05	17 00	23 00		107	105
Grundy	29	100	57	.95	1.20	16 50	23 00		97	98
Hamilton	102	100	20	.60	.90	13 00	19 00		100	100
Hancock	76	95	20	.80	1.00	16 00	23 00	3	100	90
Hardin	102	100	23	.60	.90	14 00	20 00		100	108
Henderson	50	98	40	.90	1.15	17 50	24 00	12	100	100
Henry	100	97	43	1.00	1.25	20 00	27 00	7½	88	102
Iroquois	68	88	36	.80	1.15	17 00	26 00	6½	105	100
Jackson	105	100	38	.60	.85	14 50	23 00		100	93
Jasper	116	100	15	.70	.90	14 50	20 00	2½	100	86
Jefferson	105	100	32	.65	.85	14 00	20 00	4	105	97
Jersey	109		26	.75	1.00	17 00	25 00		100	100
Jo Daviess	56	77	16	.80	1.00	16 50	23 00		99	101
Johnson	80	100	35	.55	.70	13 00	17 00	6		
Kane	85	93	23	.95	1.25	17 50	26 00	4½	102	100
Kankakee	75	87	34	.80	1.25	17 00	25 00	7½	105	103
Kendall	81	87	29	.80	1.05	18 00	25 00	4	92	96
Knox	85	100	23	.80	1.05	16 00	22 00		98	102
Lake	55	85	13	.90	1.15	17 00	23 00		99	92
LaSalle	50	57	53	.85	1.10	18 00	25 00	4¼	88	100
Lawrence	107		15	.70	1.05	15 50	22 00		100	
Lee	61	95	33	.95	1.20	17 00	26 00		100	103
Livingston	50	76	26	.90	1.20	17 00	27 00		99	101

WINTER GRAIN, ETC.—Continued.

AVERAGE CONDITION, WAGES FARM HANDS, ETC.

COUNTIES	WINTER GRAIN		CORN	WAGES FARM HANDS.				RAIN FALL	DAIRY COWS.	
	Average condition wheat, May 1st, 1880	Average condition Rye, May 1st, 1880.	Per cent. 1879 crop in producer's hands May 1st, 1880	Per day with board..	Per day, without board	Per month with board	Per month without board.....	Month April, 1880.	Average condition May 1st, 1880.....	Per ct. on hand May 1st, 1880, compared with May 1st, 1879.
	Per ct.	Per ct.	Pr ct.					Inch.	Pr ct.	Pr ct.
Logan.....	100	100	36	.90	\$1.10	\$18 00	24 00	6	102	98
Macon.....	117	105	32	.75	1.00	16 00	23 00	.....	100	101
Macoupin.....	119	.....	30	.75	1.00	19 00	25 00	.....	105	92
Madison.....	115	100	30	.75	1.10	15 00	23 00	4	105	101
Marion.....	115	110	50	.60	90	14 00	20 00	2	112	100
Marshall.....	82	100	45	1.00	1.25	19 00	25 00	10	98	101
Mason.....	105	102	41	.75	1.00	16 00	23 00	3	101	96
Massac.....	80	60	20	.45	.65	12 00	16 50	4	100	100
McDonough.....	91	100	25	.75	1.00	16 50	25 00	4	95	93
McHenry.....	75	88	25	1.00	1.25	19 00	29 00	.....	101	106
McLean.....	90	90	32	.75	1.00	16 00	22 00	7	97	97
Menard.....	107	106	25	.75	1.00	17 00	22 00	.....	100	101
Mercer.....	21	93	17	.95	1.25	18 00	26 00	.....	90	92
Monroe.....	110	107	33	.75	1.05	15 00	23 00	.....	105	98
Montgomery.....	116	120	17	.80	1 30	16 00	24 00	.....	100	92
Morgan.....	92	100	18	.75	1 00	17 50	24 00	2	100	100
Moultrie.....	112	106	37	.75	1.05	15 50	21 00	.....	100	110
Ogle.....	70	102	50	.90	1.20	18 00	25 00	9	95	100
Peoria.....	93	97	15	.75	1.00	17 00	25 00	.....	100	103
Perry.....	98	100	21	.65	.85	14 50	21 00	.....	100	101
Piatt.....	102	100	20	.65	.95	16 00	24 00	9	92	100
Pike.....	110	100	22	.75	1.00	16 00	22 00	5	100	87
Pope.....	106	.....	15	.50	.75	12 00	18 00	4½	60	.....
Pulaski.....	105	110	11	.60	.85	13 00	17 50	6¼	101	111
Putnam.....	56	96	45	.95	1.15	18 00	22 00	.....	105	100
Randolph.....	103	100	25	.65	.90	15 00	25 00	.....	100	102
Richland.....	102	100	28	.55	.85	14 00	20 00	10	95	102
Rock Island.....	15	100	15	.95	1.20	18 00	28 00	.....	100	100
Saline.....	112	107	37	.50	.75	12 50	18 00	.....	.....	.....
Sangamon.....	104	105	25	.75	1.00	17 00	23 00	3½	106	106
Schuyler.....	95	100	30	.70	1.00	15 00	20 00	.....	100	100
Scott.....	100	100	20	.75	1.00	17 00	25 00	7½	100	87
Shelby.....	120	100	26	.90	1.10	15 00	22 00	6	100	95
Stark.....	75	100	65	.85	1.15	19 00	25 00	3	95	95
St. Clair.....	105	105	22	.65	1.00	14 00	.....	.....	98	105
Stephenson.....	60	87	43	.90	1.15	17 00	24 00	12	100	94
Tazewell.....	93	98	41	.90	1.05	16 50	23 00	.....	96	100
Union.....	107	100	37	.75	1.25	16 00	20 00	4	100	100
Vermilion.....	120	150	27	.75	1.00	15 00	23 00	.....	100	92
Wabash.....	94	100	25	.75	1.00	15 00	22 00	3½	93	100
Warren.....	56	95	43	.90	1.20	19 00	25 00	4	100	98
Washington.....	105	100	20	.65	.90	12 00	17 00	10	100	100
Wayne.....	118	135	28	.65	.85	14 00	19 00	6	96	100
White.....	102	100	22	.60	.80	14 00	19 00	2½	105	98
Whiteside.....	15	9	30	1.00	1.25	18 00	27 00	.....	96	106
Will.....	90	100	75	.90	1.25	18 00	25 00	2½	95	100
Williamson.....	93	.....	30	.50	.75	12 50	18 00	.....	100	90
Winnebago.....	65	100	35	.90	1.10	18 00	25 00	5	100	100
Woodford.....	52	96	55	.90	1.15	15 00	25 00	.....	100	100

LIVE STOCK.

AVERAGE CONDITION, NUMBER COMPARED WITH 1879.

COUNTIES.	CATTLE.		HORSES.		MULES.		HOGS.		SHEEP.	
	Average condition May 1st, 1880.	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.	Per cent. on hand May 1st, 1880, compared with May 1st, 1879.
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
Adams.....	99	96	102	93	103	89	101	94	101	106
Alexander.....	105	100	107	100	107	100	100	102	100	105
Bond.....	98	101	99	95	99	89	106	100	103	103
Boone.....	99	97	95	96			99	100	99	105
Brown.....	102	82	98	82	100	85	96	76	103	105
Bureau.....	92	91	100	96	100	97	96	71	100	112
Calhoun.....	102	90	105	100	105	98	100	86	108	110
Carroll.....	82	105	97	92	100	100	105	100	105	112
Cass.....	102	96	98	99	100	92	98	95	100	100
Champaign.....	100	93	100	97	100	100	101	110	100	102
Christian.....	110	100	102	96	102	87	105	98	110	111
Clark.....	100	90	100	93	100	81	101	95	101	86
Clay.....	102	100	100	96	100	72	102	107	102	106
Clinton.....	96	110	98	92	98	70	103	94	101	103
Coles.....	105	97	105	90	105	70	105	82	105	100
Cook.....	102	98	100	96	100	100	98	91	100	90
Crawford.....	103	97	104	98	100	88	103	106	98	97
Cumberland.....	106	95	103	93	100	85	108	100	100	88
DeKalb.....	100	97	100	97	100	100	100	105	101	107
DeWitt.....	100	90	96	96	98	100	100	93	100	108
Douglas.....	100	103	96	93	100	90	103	91	100	103
DuPage.....	96	101	101	100	100	100	96	82	100	95
Edgar.....	99	101	100	97	97	97	101	92	94	105
Edwards.....	92	100	95	101	93	95	95	96	102	100
Effingham.....	95	97	100	100	100	92	107	102	100	102
Fayette.....	105	98	100	83	101	91	106	101	101	101
Ford.....	100	104	103	99	99	97	109	89	102	100
Franklin.....	105	100	103	101	101	83	106	97	100	92
Fulton.....	97	97	100	90	100	93	102	85	106	96
Gallatin.....	97	107	97	96	95	98	93	102	97	87
Greene.....	103	95	103	98	100	90	100	90	101	91
Grundy.....	94	100	98	95	100	100	100	85	97	107
Hamilton.....	102	87	100	87	97	77	87	67	105	77
Hancock.....	100	98	101	98	98	98	105	102	96	101
Hardin.....	97	100	97	97	97	83	92	85	100	100
Henderson.....	100	90	96	92	100	96	103	87	100	108
Henry.....	91	96	97	92	95	100	97	93	103	101
Iroquois.....	103	100	100	98	100	105	103	80	105	107
Jackson.....	103	100	102	98	102	91	106	102	110	105
Jasper.....	106	93	103	91	103	78	103	116	100	88
Jefferson.....	105	96	101	96	101	83	107	107	106	92
Jersey.....	95	99	95	96	100	94	100	93	103	110
Jo Daviess.....	95	95	100	96	100	100	101	100	100	103
Johnson.....	92	92	105	100	105	90	100	82	105	112
Kane.....	100	99	100	98	100	98	101	90	101	96
Kankakee.....	103	102	100	102	100	100	102	95	100	110
Kendall.....	92	95	98	100	101	101	96	91	98	107
Knox.....	101	97	97	97	102	103	98	100	107	108
Lake.....	97	93	99	93	100	100	98	88	100	96
LaSalle.....	92	93	97	97	100	100	100	93	95	104
Lawrence.....	100	91	96	100	92	100	102	95	99	90
Lee.....	97	93	100	95	100	101	97	81	100	106
Livingston.....	98	90	101	99	100	98	102	91	102	106
Logan.....	102	98	100	98	100	98	100	87	100	103
Macon.....	102	101	100	97	100	93	102	95	102	123

LIVE STOCK—Continued.

AVERAGE CONDITION, NUMBER COMPARED WITH 1879.

COUNTIES.	CATTLE.		HORSES.		MULES.		HOGS.		SHEEP.	
	Average condition May 1, 1880.....	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.....	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.....	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.....	Per cent. on hand May 1st, 1880, com- pared with May 1st, 1879.	Average condition May 1st, 1880.....	Per cent. on hand May 1st 1880, compared with May 1st, 1879.
	Per ct	Per ct.	Pe. ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct	Per ct
Macoupin.....	105	92	99	89	99	82	106	113	106	108
Madison.....	102	96	105	95	105	99	112	102	106	102
Marion.....	112	80	112	87	112	75	112	82	110	90
Marshall.....	96	97	100	99	100	100	101	88	101	103
Mason.....	101	89	112	45	99	95	106	86	100	100
Massac.....	100	95	96	88	100	98	103	106	103	96
McDonough.....	100	92	100	92	100	93	100	83	102	111
McHenry.....	95	108	100	90	100	100	100	85	98	112
McLean.....	100	100	101	91	100	95	100	95	105	111
Menard.....	101	95	100	93	100	94	100	103	101	102
Mercer.....	91	105	97	95	97	102	97	85	100	106
Monroe.....	102	92	101	97	100	98	100	92	103	98
Montgomery.....	111	105	106	98	106	103	106	105	100	136
Morgan.....	96	106	100	92	97	90	102	95	103	112
Moultrie.....	102	103	102	87	98	97	100	93	107	97
Ogle.....	96	100	100	94	100	100	102	93	100	91
Peoria.....	100	95	103	90	103	92	100	93	105	110
Perry.....	102	98	101	100	101	97	105	102	101	90
Piatt.....	97	102	98	95	97	92	98	90	100	105
Pike.....	106	96	100	88	100	82	103	96	105	103
Pope.....	90	92	105	88	100	80	105	86	95	77
Pulaski.....	100	104	101	107	103	107	101	101	105	102
Putnam.....	100	96	100	98	100	101	101	85	102	105
Randolph.....	96	98	96	98	98	98	98	92	100	103
Richland.....	102	97	105	95	100	95	100	105	100	95
Rock Island.....	95	100	100	100	100	100	100	90	100	95
Saline.....	102	92	102	100	102	100	100	105	100	95
Sangamon.....	103	93	99	99	100	83	105	97	105	125
Schuyler.....	100	90	100	80	100	90	100	95	100	100
Scott.....	100	78	100	95	100	96	96	103	100	100
Shelby.....	100	100	100	95	100	70	110	95	105	85
Stark.....	100	100	100	100	100	95	100	90	100	105
St. Clair.....	92	101	96	93	96	92	101	97	101	96
Stephenson.....	100	98	100	92	100	100	100	91	100	88
Tazewell.....	98	93	100	98	100	92	95	86	103	97
Union.....	100	100	105	100	105	100	100	100	100	100
Vernilion.....	96	108	100	90	100	96	100	90	100	100
Wabash.....	95	100	102	97	100	94	95	92	102	93
Warren.....	100	97	101	97	101	97	100	96	103	107
Washington.....	100	100	100	93	100	90	100	103	92	96
Wayne.....	93	105	101	96	102	85	108	105	103	100
White.....	100	88	100	95	103	85	98	96	109	93
Whiteside.....	91	98	97	100	100	100	98	85	95	105
Will.....	95	100	100	90	100	100	100	85	100	105
Williamson.....	103	88	96	88	103	76	101	101	103	93
Winnebago.....	100	100	103	95	100	100	103	100	100	100
Woodford.....	96	95	100	100	100	96	100	96	105	100

CROP REPORT.

SUMMARY of Meteorological Observations for the month of January, 1880, made to the Illinois Department of Agriculture, Springfield February 1, 1880. Hours for taking Observations: 7 A. M., 2 P. M., 9 P. M.

[illegible]

REMARKS FOR JANUARY.

BELVIDERE.—G. B. MOSS, Observer. January 1880 was the wettest in 12 years, 1872 being the driest, 0.5 inches. Mean of 12 years, 2.25 inches rain fall. Only $3\frac{1}{4}$ inches of snow during the month. No sleighing and roads very muddy or rough during most of the month. Was the warmest January in 13 years; 7° .5 warmer than the next warmest January (1869) and 14° above the average. The record at Bowdoin College, Me., (the mean annual temperature being about the same as Belvidere), shows but one warmer January in a period of 52 years—from 1807 to 1859—viz: 35° .22 in 1838. Mean of minimum temperature for 13 years, 14° , or 24° below this year. The average range for 13 years is 57° ; this year, 45° . Altogether a very remarkable month.

MARENGO.—JOHN W. JAMES, Observer. Frosts every day, except 3d, 4th, 6th, 8th, 11th, 19th and 26th. Solar halos—24th, 26th and 28th. Lunar halos—24th and 26th. The mean temperature of January 1880 has been 15° .1 above the mean of 17 years past, and 5° .6 above the warmest January before recorded in that period. The thermometer has always before reached a lower point in January, and only one January has had a shorter range of temperature in that time.

ELGIN.—E. L. GIDDINGS, Observer. This has been a very mild and cloudy month. Only 11 days that the daily mean was below freezing. Not any snow and but three entirely clear days.

CHICAGO.—T. M. AMBLER, U. S. A. Observer. Greatest velocity of wind twenty-miles per hour; west; total movement for the month, 5,295 miles. Comparative temperature of five Januaries: 1876, 33° .2; 1877, 22° .2; 1878, 31° .31; 1879, 21° .97; 1880, 40° .1. Precipitation: 1876, 3.22 inches; 1877, 1.91 inch; 1878, 1.31 inch; 1879, 0.54 inch; 1880, 3.53 inches.

LYNDON.—S. A. MAXWELL, Observer. Lunar halos on the 23d and 24th. Meteors on the 12th and 15th. The highest observed temperature, 59° , at 7 o'clock a. m. on the 11th, which is remarkable on account of the time in the day the mercury stood highest. Have not known a parallel case in keeping records 15 years. The ice went out of Rock River on the 5th, causing serious inundations in places. Rain-fall of 2.62 inches on the 3d.

ELMIRA.—O. A. BLANCHARD, Observer. Highest temperature on the 11th at 7 a. m., and lowest on the 31st at 7 a. m. Lunar halo on the 23 at 8:10 p. m. Parhelia on the 14th at 3:45 p. m., and shortly after sun-rise on the 23d. About half an inch of snow-fall during the month.

PEORIA.—FRED BRENDL, Observer. Thunder storm on the 30th. Frosts, on the 1st, 10th, 12th, 13th, 15th, 23d, 24th, 28th, 29th, 30th and 31st. Lunar halo on the 24th.

AUGUSTA.—S. B. MEAD, Observer. Highest temperature, 62° , on the 18th and 27th. Lunar halos on the 15th, 22d and 25th.

SPRINGFIELD.—T. B. JENNINGS, U. S. A. Observer. Highest temperature on the 11th and lowest on the 31st. Greatest daily range, 29° , on the 11th; and the lowest, 5° , on the 2d. Highest velocity of wind, 33 miles per hour, from the west, on the 9th. Total movement of wind, 8,048 miles. Solar halos on the 14th, 24th and 26th. Lunar halo on the 26th.

DECATUR.—J. STEBBINS KING, Observer. More or less fog every day from the 1st to the 10th. The 15th was the first day all observations were clear. Thunder storm on the 19th at 8 p. m., accompanied with zig-zag lightning. Rain and hail with thunder and zig-zag lightning on the 21st at 2:30 p. m. Lunar halos on the 25th and 27th. Frosts, on the 1st, 10th, 12th, 13th, 14th, 15th, 17th, 18th, 21st, 22d, 23d, 24th, 26th, 27th, 28th, 29th and 31st.

MT. STERLING.—WM. W. BOWER, Observer. Heavy fog on the 2d, 4th, 6th, 7th and 8th. Lunar halos on the 15th and 26th. Hail on the 29th.

UPPER ALTON.—W. LEVERETT, Observer. Dense fog on the 2d, 4th, 6th, 7th, 8th, 13th and 15th. Light thunder shower 12:45 to 1:15 p. m. on the 21st. Hail and sleet on the 28th.

ST. MARIE.—JAMES PICQUET, Observer. Thunderstorms on the 19th, 21st and 30th; on the 19th accompanied by very high wind. Lunar halos on the 26th and 29th.

GRAYVILLE.—J. L. RHINEHART, Observer. Thunderstorm on the 21st. High wind on the night of the 29th. On the 31st, wind from the north and ground frozen about one inch in depth.

GOLCONDA.—J. E. Y. HANNA, Observer. Rainbow at 7:30 a. m. High wind from the north at 4 p. m. on the 11th. Snow fell to the depth of 5 inches on the 12th. Heavier thunderstorm with hail and a gale from southwest at 11 p. m., on the 21st.

SUMMARY of Meteorological Observations for the month of February, 1880, made to the Illinois Department of Agriculture, Springfield, March 1, 1880. Hours for taking Observations: 7 A M., 2 P. M., 9 P. M.

STATIONS.	THERMOMETER.						BAROMETER.						WIND.		RAIN.		No. of days on which cloudi- ness averaged 0.8 or more...		Relative humidity	
	Highest	Lowest	Mean	Range of.	Highest daily mean.....	Lowest daily mean.....	Highest	Lowest	Mean	Range of.	Highest daily mean.....	Lowest daily mean.....	Direct'n.	M's	Days on which rain fell.	Total rainfall	No.	No.	Deg.	
NORTHERN DIVISION.																				
County.																				
Winnebago	798	52	-6	58	47	11									4	2.4	6			
Post Office.																				
Durand	810	59	-3	62	48	11									8	1.24	6			
Boone	925	60	-2	62	44	8									7	1.62	8			
McHenry	777	60	+5	55	46	10									4	3.43	12			
Kane	657	63	+12	51	53	16									7	2.91	4			
Chicago	650	64	+3	61	50	18									13	2.91	4			
Cook	650	64	+3	61	50	18									6	1.92	4			
Whiteside	650	64	-2	66	52	13									6	0.8	4			
Lyndon	650	64	-2	66	52	13									6	0.8	4			
Geneseo	650	64	-2	66	52	13									6	0.8	4			
Henry	650	64	-2	66	52	13									6	0.8	4			
CENTRAL DIVISION.																				
Stark	460	61	-1	62	52	13									9	2.30	10			
Peoria	460	65	+12	53	55	20									9	3.95	2			
Hancock	681	66	+6	36	60	58									5	2.08	17			
Augusta	640	67	+13	38	57	22									5	2.89	6			
Sangamon	525	68	+10	58	57	20									5	2.9	6			
Brown	525	68	+10	58	57	20									5	2.9	6			
Mt. Sterling	525	68	+10	58	57	20									5	2.9	6			
SOUTHERN DIVISION.																				
Marion	72	72	44	70	63	15									6	2.8	9			
Centralla	500	68	+2	66	63	18									6	2.2	15			
Clay	500	68	+2	66	63	18									6	2.2	15			
Louisville	725	68	+10	58	57	24									6	2.83	23			
Madison	725	68	+10	58	57	24									6	2.83	23			
Upper Alton	725	68	+10	58	57	24									6	2.83	23			
Jasper	66	66	+40	56	63	22									6	2.06	10			
St. Marie	63	63	+18	40	63	18									7	2.06	10			
Grayville	62	62	+18	40	63	18									9	4.5	10			
White	70	70	+18	44	62	18									7	4.5	10			
Pope	70	70	+18	52	59	28									9	5.51	9			
Golconda	70	70	+18	52	59	28									9	5.51	9			

REMARKS FOR FEBRUARY.

DURAND.—C. A. STARR, Observer. Light thunderstorm on the 28th. Weather similar to January, alternate freezing and thawing.

BELVIDERE.—G. B. MOSS, Observer. Thunderstorm on the 24th. Mean of February 7° above the average of 13 years; have been two warmer. Mean of warmest, February 1878, 32° .72, and mean of coldest, February 1875, 4° .82. Mean of winter, 28° .59; of 13 winters, 20° .31; 1877-8 being the warmest, and 1874-5 the coldest, 12° 46. Precipitation of winter 6.99 inches. Average precipitation of 12 winters, 5.42 inches; the wettest 8.43 inches in 1873-4, and the driest, 2.08 inches in 1871-2. Only indifferent sleighing in December, and none whatever since. The roads have been either very muddy or quite rough, consequently a dull winter for business.

MARENGO.—JOHN W. JAMES, Observer. Frosts every day, except 11th, 17th, 24th and 25th. Solar halos on the 13th, 14th and 15th, and Lunar halo on the 16th. Mean temperature of February 1880, 4° .7 higher than usual. Februarys 1865, 1877 and 1878 were warmer. Total precipitation, 0.41 inch more than usual. Snow on the ground from the 3d to the 8th. No Sleighing. Mean temperature of winter of 1879-80, 26° .9; or 5° .7 higher than usual. The winters of 1863, 1871, 1876 and 1878 were warmer. Total precipitation for the winter 7.23 inches, or 2.31 inches more than usual. Only the winters of 1874 and 1876 were wetter. Winds for the winter (No. or times) N. 31; NE. 16; E. 15; SE. 27; S. 56; SW. 38; W. 35; NW. 52; calm 3. Total No. of observations, 273. Total depth of snow for the winter 7¼ inches. No sleighing to speak of.

CHICAGO.—J. MITCHELL, U. S. A. Observer. Greatest velocity of wind, 32 miles per hour from the west, on the 28th. Total movement for the month 6,053 miles. Comparative temperature for five Februarys: 1876, 31° 9; 1877, 36° .7; 1878, 35° 9; 1879, 27° .5, and 1880, 35° .1. Average precipitation of five Februarys, 2.192 inches, 1877 being the driest, 0.06 inches, and 1876 the wettest, 3.90 inches.

LYNDON.—S. A. MAXWELL, Observer. Thunder storms on the 11th and 24th. Lunar halo on the 16th. February 20, first geese observed going north.

ELMIRA.—O. A. BLANCHARD, Observer. Thunder storm, with hail, on the 24th. Highest temperature 61° at 2 p. m. on the 26th, and lowest, one degree below zero, at 7 a. m. on the 4th. Solar halo on the 14th, and Lunar halo on the 15th. Parhelia at 3 p. m. on the 1st, and at 6:50 a. m. on the 18th. Arrival of blackbirds and robins on the 13th. Geese going north on the 20th.

PEORIA.—FRED BRENDLE, Observer. Thunder storm on the 11th. Lunar halos on the 15th, 16th and 21st.

AUGUSTA.—S. B. MEAD, Observer. Thunder storms on the 4th and 24th. Frosts February 1, 10, 12 to 15, 18 to 23, and 27. Lunar halos on the 15th, 16th and 19th.

SPRINGFIELD.—T. B. JENNINGS, U. S. A. Observer. Thunder storm on the 28th. Frosts February 2, 6, 8, 9, 10, 14, 15, 20, 21, 22, 23 and 26. Solar halos on the 2d, 9th, 14th, 16th, 17th, 24th, 27th. Lunar halos 16th, 23d and 27th. Greatest range of temperature (37°) on the 28th, and the least (6°) on the 5th. Highest velocity of the wind, 40 miles per hour, from the south, on the 11th. Total movement of the wind for the month 7,826 miles. Thirteen clear and ten fair days.

MT. STERLING.—W. W. BOWER, Observer. Thunder storms on the 11th and 25th. Slight rain with hail on the 20th. Parhelia at 4 p. m. on the 2d.

CENTRALIA.—J. L. HALLAM, Observer. Thunder storm on the 25th. Deepest snow this winter, 7 inches, on the 13th.

UPPER ALTON.—W. LEVERETT, Observer. Light snow, 1¼ inches, on the 13th. High wind from 10 p. m. of the 17th to 6 a. m. on the 18th.

ST. MARIE.—JAMES PICQUET, Observer. Thunder storms on the 18th and 23th. Lunar halo on the 24th. Splendid roads first ten days of the month. Some plowing done between the 20th and 26th. Snow 5½ inches deep at close of month.

GOLCONDA.—J. E. Y. HANNA, Observer. Thunderstorms on the 11th and 27th. Solar halos on the 1st and 21st. Lunar halos on the 2d, 18th and 23d. Slight snows on the 3d and 13th. Slight shock of earthquake—duration one minute—at 10:30 a. m. on the 27th.

REMARKS FOR MARCH.

DURAND.—C. A. STARR, Observer. Thunderstorm on the 3d. Aurora on the 18th.

BELVIDERE.—G. B. MOSS, Observer. Thunderstorms, March 4th, 26th, 27th and 31st. Average temperature of March for 14 years, $39^{\circ}.39$; 1878 being the warmest, $43^{\circ}.09$, and 1877 the coldest, $23^{\circ}.11$ —a range of about 20° . One peculiarity of March 1880, is, that the mean temperature of the month was $1\frac{1}{2}^{\circ}$ lower than the mean of January 1880. March 1876 was the wettest, 6.13 inches; and 1873 the driest, 0.79 inches; the average precipitation for 12 years being 2.60 inches. Very little plowing or sowing done during the month. Roads poor the first half of the month; the latter half, fair.

MARENGO.—JOHN W. JAMES, Observer. Thunderstorms on the 26th and 27th. Solar halos on the 1st, 5th, 6th and 9th. Mean temperature of March 1880 was 2° higher than usual. In 19 years only five Marches have been warmer. Total precipitation, 1.13 inches less than usual. Commenced sowing wheat March 23. Frost all out of the ground on the 27th.

ELGIN.—E. L. GIDDINGS, Observer. Thunderstorms on the 4th and 26th. March generally dry and pleasant; only $\frac{1}{4}$ inch rain-fall previous to the 26th.

LYNDON.—S. A. MAXWELL, Observer. Thunderstorms on the 25th, 26th and 27th. Solar halos on the 15th and 31st.

GENESECO.—W. T. ALLAN, Observer. A grand equinoxial on the 23d, 24th and 25th. Highest temperature on the 3d, and lowest on the 14th.

ELMIRA.—O. A. BLANCHARD, Observer. Thunderstorms on the 25th and 26th. Rain with high wind on the 27th. Solar halo on the 6th and Lunar halo on the 17th. The mean temperature of the month was but a fraction of a degree below January last. Snow-fall for the month, 1.37 inch.

PEORIA.—FRED. BRINDLE, Observer. Thunderstorms on the 4th, 25th and 27th. Frosts, March 1st, 2d, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 20th. 21st and 24th.

AUGUSTA.—S. B. MEAD, Observer. Thunderstorms on the 25th, 27th and 31st. Frosts every day, except on the 3d, 4th, 7th, 23d, 25th, 26th, 27th, 28th and 31st. Lunar halo on the 31st.

SPRINGFIELD.—T. B. JENNINGS, U. S. A. Observer. Thunderstorms on the 25th, 26th and 27th. Frost on March 1st, 2d, 6th, 7th, 8th, 9th, 17th, 20th, 21st, 29th and 30th. Solar halos on the 2d, 6th, 11th, 14th and 15th. Lunar halos on the 17th and 24th. Greatest daily range, $24^{\circ}.5$. Highest velocity of wind, 48 miles. Total movement of wind for the month, 8,061 miles.

Mt. STERLING.—WM. H. BOWEN, Observer. Thunderstorms on the 4th, 25th, 26th and 31st. On the 4th and 25th; accompanied with hail, and on the 27th, high wind from the southwest, continuing from 10 o'clock a. m. during the day and night; many fences were blown down. Solar halo on the 26th at 7 o'clock a. m. First appearance of larks on the 18th, and martins on the 30th.

CENTRALIA.—J. L. HELLMAN, Observer. Thunderstorm on the 27th. Frosts from the 1st and 21st, inclusive, except 7th to 11th. The month has been cold and damp, with few days of sunshine. Atmospheric and electrical disturbances frequent and extreme.

LOUISVILLE.—D. H. CHASE, Observer. Thunderstorms on the 4th and 28th. Violent storm from the west from 8 o'clock a. m. to 12 p. m., tearing down half the fences and out-houses, and trees overturned. Worst storm in ten years.

UPPER ALTON.—W. LEVERETT, Observer. Thunderstorms from 7 to 7:30 and from 9 to 9:30 p. m. on the 4th; from 8:15 to 9:15 a. m. on the 25th, and 1:30 to 2 p. m. on the 26th.

St. MARIE.—JAMES PICQUET, Observer. Thunderstorms on the 26th and 27th. The storm of the 27th was accompanied with a high wind, continuing from 7 a. m. until 7 a. m. on the 28th. Damage in this neighborhood restricted to fences blown down and a few roofs lifted off.

GRAYVILLE.—J. L. RHINEHART, Observer. Thunderstorm on the 5th. Hailstorm on the 25th. On the 27th a gale; velocity 40 miles an hour; very little damage. Frosts on the 28th and 29th. About 1 inch of snow fell on the 12th, and $1\frac{1}{2}$ inch on the 15th.

GOLCONDA.—J. E. Y. HANNA, Observer. Thunderstorm on the 26th. Frosts on the 29th and 30th. Lunar halo on the 24th. Very high wind all day on the 27th. Atmosphere a dull yellow.

CROP REPORT.

STATIONS.	THERMOMETER.						BAROMETER.						WIND.		RAIN.		No. of days on which cloudiness averaged 0.8 or more ..		Relative humidity	
	Highest	Lowest.....	Mean.....	Range of.....	Highest daily mean.....	Lowest daily mean.....	Highest	Lowest.....	Mean.....	Range of.....	Highest daily mean	Lowest daily mean	Direct 'n.	M's	Days on which rain fell.	Total rainfall.....	No.	No.	Deg.	Deg.
NORTHERN DIVISION.																				
County. Postoffice.																				
Winnebago.....	798	22	45	61	58	30	83	29	45	61	58	30	S. W.	6	7	5.55	10	.....	.....	.....
McHenry.....	925	20	46	59	66	32	79	20	46	59	66	32	NW&S W	7	13	3.10	10	.....	.....	.....
Kane.....	777	27	47	49	67	33	76	27	47	49	67	33	W.	5	10	4.19	8	.....	.....	.....
Cook.....	657	80	27	49	53	63	80	27	49	53	63	33	S. W.	5	19	5.20	.....	.....	62.9	.....
Whiteside.....	650	83	26	50	68	35	83	26	50	68	35	.....	S. W.	7	10	3.42	3	.....	.....	.....
CENTRAL DIVISION.																				
Stark.....	.....	26	45	58	68	30	.....	26	45	58	68	30	.....	.....	9	.....	.....	.....	.....	.....
Peoria.....	460	28	55	55	72	39	83	28	55	72	39	.....	.....	6	9	5.94	4	.....	.....	.....
Hancock.....	681	78	35	47	43	39	78	35	47	43	39	.....	NW&S W	5	10	3.74	7	.....	61	.....
Sangamon.....	640	82	31	57	74	41	82	31	57	74	41	.....	S. E.	5	10	3.23	18	.....	54.2	.....
Brown.....	525	86	30	57	75	40	86	30	57	75	40	.....	.....	6	10	2.2	.....	.....	.....	.....
SOUTHERN DIVISION.																				
Marion.....	.....	30	58	54	78	36	.....	30	58	54	78	36	NW&S W	8	4	3.5	12	.....	.....	.....
Clay.....	500	84	27	57	75	44	84	27	57	75	44	.....	S. W.	8	5	2.5	8	.....	.....	.....
Madison.....	650	88	33	59	55	40	88	33	59	55	40	.....	SNW&N	5	9	3.08	25	.....	.....	.....
Jasper.....	.....	84	28	56	79	36	.....	28	56	79	36	.....	.....	7	10	2.53	5	.....	.....	.....
White.....	675	84	26	50	58	30	84	26	50	58	30	.....	N. N. W.	8	8	4.	11	.....	.....	.....
Pope.....	.....	86	61	52	78	43	86	61	52	78	43	.....	N. W.	5	8	3.74	5	.....	.....	.....

REMARKS FOR APRIL.

DURAND.—C. A. STARR, Observer. Thunder storms on the 3d and 18th. The storm of the 18th was remarkable for the amount of rain and hail, some of the latter measuring eight inches in circumference and weighed three ounces. This village was exempt from wind, and it is probable that the cyclone that struck the north part of Rockton passed high over this point, as there was great commotion and roaring of the elements overhead.

MARENGO.—J. W. JAMES, Observer. Thunder storm on the 3d, 4th, 22d and 25th. Frosts April 1, 6, 7, 8, 9, 11, 12, 17, 20, 27, 28 and 30. Solar halos on the 1st, 9th, 15th, 21st and 27th. Lunar halos on the 14th and 20th. Mean temperature of April 1° .2 higher than usual, and precipitation 0.40 inches more than usual. First half of the month very dry; last half of the month very wet, with sudden and extreme changes of temperature and high winds. In nineteen years twelve Aprils have been colder, six warmer and one the same. Four have been wetter.

ELGIN.—E. L. GIDDINGS, Observer. Thunder storms on the 2d, 3d, 23d and 24th. Frosts on 6th, 7th, 10th, 11th and 16th.

CHICAGO.—J. MITCHELL, U. S. A. Observer. Greatest velocity of wind, 36 miles per hour, from the S. W. on the 15th. Total movement of the wind for the month, 8,214 miles. Average mean temperature of eight Aprils 46° .9, 1877 being the warmest—56° .8—and 1874 the coldest—38° .7. Average precipitation of eight Aprils, 3.46 inches, 1873 being the wettest—6.12 inches—and 1877 the driest—1.81 inches.

LYNDON.—S. A. MAXWELL, Observer. Thunder storms on the 3d, 4th, 18th, 23d and 24th, on the latter date accompanied with hail. On the 18th, at about 3 o'clock p. m., a small, though for the time destructive, tornado passed in a northeasterly direction through the townships of Newton and Garden Plain, in this county. Several buildings were destroyed, but no lives were lost. On the 24th the wind attained a velocity of 65 miles per hour, doing considerable damage.

ELMIRA.—O. A. BLANCHARD, Observer. Thunder storms on the 3d, 18th, 22d and 23d. Frosts on 1st, 6th, 8th, 9th, 12th and 30th. Lunar halo on the 20th and 21st.

PEORIA.—FRED. BRENDEN, Observer. Thunder storms on the 3d, 14th, 18th, 19th, 23d and 24th. Frosts on 1st, 7th, 8th, 11th and 12th. Lunar halo on the 21st.

AUGUSTA.—S. B. MEAD, Observer. Thunder storms on the 8d, 15th, 22d, 23d and 24th. Hail on the 18th, 23d and 24th. Frosts on April 1, 6, 7, 8, 11, 12, 16, 19, 20 and 29. Lunar halos on the 21st and 22d. High wind near midnight on the 2d, and a very high wind all the afternoon of the 6th.

SPRINGFIELD.—T. B. JENNINGS, U. S. A. Observer. Thunder storms on the 3d, 18th, 19th, 22d, 23d and 24th. Hail on the 23d and 24th. Frosts on the 1st, 7th, 8th, 11th, 17th and 30th. Solar halos on the 6th, 14th, 18th and 24th. Lunar halos on the 17th and 20th.

MT. STERLING.—WM. W. BOWEN, Observer. Thunder storms on the 3d, 14th, 15th, 18th, 22d, 23d and 24th. Hail on the 14th, 15th and 24th. Frosts April 1, 7, 8, 11, 12, 17, 20, 27 and 30. Lunar halo on the 20th, 8:30 p. m.

CENTRALIA.—J. L. HALLAM, Observer. Thunder storms on the 14th and 18th. Frosts on the 7th, 8th, 9th, 26th, 27th and 30th. High winds on the 12th, 13th, 14th, and very high 19th.

LOUISVILLE.—D. H. CHASE, Observer. Thunder storms on the 3d, 15th and 24th. Frosts on the 26th and 27th. Solar and Lunar halos on the 15th.

UPPER ALTON.—W. LEVERETT, Observer. Thunder storms on the 2d, 3d, 15th, 18th, 24th. High winds on the 3d, 18th, 24th, and unusually high wind on the 30th, doing, however, but slight damage in the near vicinity.

ST. MARIE.—JAMES PIQUET, Observer. Thunderstorms on the 3d, 14th, 15th, 18th and 24th. Hail on the 24th. Frosts on April 7, 8, 9, 10, 11, 12, and 20. Lunar halos on the 17th, 20th and 21st.

GRAYVILLE.—J. L. RINEHART, Observer. Thunderstorms on the 2d, 15th, 24th and 25th. Hail on the 19th and 24th. Frosts on the 8th, 9th and 20th. A remarkable month for high winds. Night of the 18th a severe gale doing some little damage, blowing down orchard trees, fences, etc. No person injured.

GOLCONDA.—J. E. Y. HANNA, Observer. Thunderstorms 13th, 15th, 19th and 25th. Frosts on the 9th, 11th and 12th. Lunar halos on the 18th, 20th and 21st. A violent gale from the south-west at 10 p. m. on the 15th. A tornado on the 19th at 3 a. m. from the south-west, accompanied with heavy thunder; path, 40 rods wide; duration, one minute, unroofing houses and barns, prostrating trees and fences.

DIRECTIONS FOR PREPARING A HYGROMETER.

Take two thermometers, give them an equal exposure (that is fasten them about six inches from each other), fasten a small cup under one of the thermometers about four inches below the bulb. Fasten a piece of cotton wicking around the bulb of the thermometer and extend the other end into the cup, which must be kept filled with water. This thermometer is technically called the "Wet-bulb Thermometer." The other one is denominated the "Dry-bulb Thermometer." When the temperature is below freezing remove the wicking; and a few minutes before each observation moisten the bulb of the wet-bulb thermometer, and take a reading when it ceases to fall.

EXPLANATION OF THE TABLE.

Find the temperature of the wet-bulb thermometer in the left hand column, and the difference between this and the dry-bulb thermometer in the horizontal line at the top, and the number at the intersection of these two columns will be the humidity sought. When there is no difference between the two thermometers the relative humidity is 100 per cent., the air being saturated with moisture.

Wet-bulb thermometer	Difference between wet-bulb thermometer and temperature of air.					
	Relative humidity.		Relative humidity.			
	0.	0.5	1.0	1.5	2.	2.5
-31	100	36.0				
-30	100	39.6				
-29	100	42.9				
-28	100	46.1				
-27	100	49.0				
-26	100	51.8				
-25	100	54.4				
-24	100	56.8				
-23	100	59.0				
-22	100	61.0				
-21	100	62.6	26.9			
-20	100	64.2	30.3			
-19	100	65.9	33.5			
-18	100	67.5	36.6			
-17	100	69.0	39.5			
-16	100	70.4	42.3			
-15	100	71.8	44.9	19.4		
-14	100	73.0	47.4	23.0		
-13	100	74.3	49.8	26.4		
-12	100	75.4	51.9	29.5		
-11	100	76.5	53.9	32.5		
-10	100	77.5	55.7	35.3	15.6	
-9	100	78.5	58.0	38.3	19.1	
-8	100	79.4	59.4	40.6	22.5	
-7	100	80.3	61.1	43.0	25.7	
-6	100	81.1	62.7	45.4	28.4	12.9
-5	100	81.2	64.5	47.6	31.7	16.4
-4	100	82.5	65.8	49.8	34.5	19.8
-3	100	83.2	67.1	51.7	36.9	22.8
-2	100	83.9	68.3	53.5	39.3	25.8
-1	100	84.5	69.5	55.3	41.6	28.6
0	100	85.0	71.2	57.0	43.8	31.3
+1	100	85.6	71.8	58.6	46.0	33.9
2	100	86.2	73.3	60.3	48.0	36.4
3	100	86.7	74.0	61.8	50.0	38.8
4	100	87.2	75.0	63.3	52.0	41.2
5	100	87.7	76.0	64.7	53.8	43.4
6	100	88.2	76.9	66.0	55.3	45.2
7	100	88.6	77.7	67.1	56.8	47.0
8	100	89.0	78.4	68.2	58.2	48.8
9	100	89.4	79.1	69.2	59.6	50.5

Difference between Wet-bulb thermometer and temperature of air.

bulb thermometer.	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°	200°	210°	220°	230°	240°	250°
100	79	61	44	28	13	5	11	18	26	33	40	48	55	62	69	76	83	90	97	104	111	118	125	132	139
150	83	67	52	39	27	15	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160	168	176
200	85	72	60	48	38	41	37	30	30	24	32	37	45	53	61	69	77	85	93	101	109	117	125	133	141
250	88	77	67	59	48	41	37	30	26	21	33	38	46	54	62	70	78	86	94	102	110	118	126	134	142
300	89	79	69	61	53	45	48	42	38	32	36	42	49	56	63	71	79	87	95	103	111	119	127	135	143
350	90	80	71	63	56	48	54	48	43	38	44	51	58	65	72	80	88	96	104	112	120	128	136	144	152
400	91	83	75	67	60	54	59	53	48	44	49	56	63	70	77	85	93	101	109	117	125	133	141	149	157
450	92	85	77	71	64	59	64	57	52	48	54	61	68	75	82	90	98	106	114	122	130	138	146	154	162
500	93	86	79	73	68	63	61	57	53	50	56	63	70	77	84	92	100	108	116	124	132	140	148	156	164
550	93	87	81	76	70	66	64	60	56	52	58	65	72	79	86	94	102	110	118	126	134	142	150	158	166
600	94	88	83	78	73	68	64	60	56	52	58	65	72	79	86	94	102	110	118	126	134	142	150	158	166
650	94	90	85	81	76	72	69	65	61	58	55	52	49	46	43	40	38	35	33	31	29	27	25	23	21
700	95	90	86	82	78	74	70	67	64	61	58	55	52	49	47	45	43	41	39	37	35	33	31	29	27
750	95	90	86	82	78	75	72	69	66	63	60	57	54	52	49	47	45	43	41	39	37	35	33	31	29
800	95	91	87	83	79	76	73	70	67	64	62	59	56	54	52	49	47	45	43	41	39	37	35	33	31
850	96	91	88	84	80	76	73	72	70	68	66	63	61	58	56	54	52	49	47	46	44	42	40	39	37
900	96	92	89	85	81	78	75	72	70	68	66	63	61	58	56	54	52	49	47	46	44	42	40	39	37
950	96	92	89	85	82	79	76	73	70	68	66	63	61	58	56	54	52	49	47	46	44	42	40	39	37
1000	96	93	89	86	83	80	77	74	71	69	66	64	62	59	57	55	53	51	49	48	46	44	42	41	40

XAM: L.R.: Dry-bulb thermometer reads 72°; wet-bulb thermometer reads 60°; difference between the two thermometers 12°. Then find 60° — the temperature of the wet-bulb thermometer—in the left hand column and run the finger out on the line of 60° to the right until you reach the column headed 12°—the difference between the two thermometers—and the figures at the intersection, 45, indicate that the relative humidity is 45 per cent.

CORRESPONDENT'S REMARKS.

ADAMS.—Considerable winter wheat has been plowed up, and the land planted to other crops. The growing crop promises nearly an average yield per acre and in some parts of the county looks very fine. Rye is in good condition, very little sown. Meadows and pastures, owing to the dry weather which prevailed, have not made the usual growth. The fruit prospect is excellent and there will be an abundance of all kinds of fruit. Farm animals are healthy and in fine condition. With the exception of sheep, there is a decrease in the number of head of live stock on hand, when compared with corresponding date last season. Fully two-thirds of the old corn crop has either been fed or marketed. Soil is in good condition for cultivation and the prospects are very encouraging for good crops of all kinds.

ALEXANDER.—Winter Wheat is above an average condition and from present prospects the harvest will be early and the crop large and of good quality. Meadows and pastures are in fine condition and the growth of grass compares favorable with previous years. Fruit prospect is flattering for a large crop of all kinds of fruit except some tender early peaches which were injured by frost. Soil cold and damp and in bad condition for farm work, owing to the excessive rains which have packed the ground. More attention is being paid to the improvement of live stock than heretofore and the number in the county is increasing from year to year. The condition this spring is reported above an average.

BOND.—Winter wheat came through the winter in good condition and looks very promising for more than an average yield per acre. The growth is very rank and it has been necessary to pasture the wheat. The harvest will be earlier than usual. As yet there has been no injury sustained from insects and none apprehended. Rye is above an average in condition. About one-third of the 1879 corn crop is still in the hands of the producers. Pastures are hardly up to the average in condition, owing to the cold, backward spring. Meadows are in fair condition and promise about an average crop of hay. The short hay and pasture crop of 1879 shows its effect on the live stock, which is in rather thin condition. There is an increase in the number of cattle and sheep on hand compared with the previous season. The prospect for fruits of all kinds was never better. The soil is in unusually good condition for spring plowing. Hogs in some neighborhoods have been dying from what is called "cholera."

BOONE.—Winter wheat was injured by late dry freezing weather, and is much below an average in condition. A large portion of the late wheat was so badly damaged that it was deemed advisable to re-seed to spring wheat. Rye has come through the winter in fair condition and promises nearly an average yield per acre. Three-fourths of the last corn crop has been fed or shipped. Meadows, excepting clover, are in fair condition. Pastures are short, owing to the cold spring, but are now improving rapidly. Farm animals are nearly up to an average in condition. There is considerable complaint of distemper among horses, which has seriously interfered with farm work in some localities. No increase in the number of farm animals when compared with the previous year excepting sheep.

BROWN.—Winter wheat is nearly up to an average in condition. Is better on high timbered lands on which the crop did not freeze out as badly as on low black vegetable loam lands. On the low lands there will not be half a crop. Some fields have not recovered from the injury sustained last fall by the fly and drouth. Rye is better than an average in condition. Meadows are in fair condition—are improving since the late rains. The growth of grass in pastures is backward owing to the cold spring. There is considerable old corn still in first hands—less than one-fourth of the last crop. The prospect is very encouraging for an abundant crop of all kinds of fruit. Farm animals are generally in thriving condition, with a less number, excepting sheep, than in 1879. Soil has seldom been in better condition for plowing and seeding than this spring.

BUREAU.—Winter Wheat badly, winter killed and the greater portion of the crop will be plowed up for other crops. The condition does not promise more than half an average yield per acre. Rye will make about three-fourths of an average yield per acre judging from the present condition. Meadows materially improved by recent rains—and up to an average in condition. Pastures show good growth for the season. Farm animals are nearly up to an average in condition. There is less number of cattle, horses and hogs than last season and more sheep. Fruit buds in some localities have been touched by frost—the prospects are encouraging for a fair crop of fruit of all kinds. Soil works easily and freely and will be brought into good tilth with half the harrowing and rolling required last season.

CALHOUN.—The winter wheat prospect is flattering for more than an average yield per acre on both the uplands and lowlands. The crop on the uplands would be improved by rain. Winter rye is much above an average in condition. Warm spring rains have improved the condition of meadows, which promise an abundant hay crop. Pastures are up to an average for the season. Some early kinds of fruit were injured by late frost. The prospect is flattering for an abundant crop of nearly every kind of fruit. Farm animals are in fine condition. There is an increase in the number of sheep and about the same number of horses and hogs. The soil has not been in better condition for years than this spring.

CARROLL.—There is a poor prospect for winter wheat; at this time the condition of the growing crop promises hardly half an average yield per acre. Winter rye has stood the winter well, and from present condition there will be a full average yield per acre. Hogs and sheep are above an average in condition; cattle and horses are nearly up to an average. There is an increase in the number of cattle and sheep as compared with last season.

CASS.—A large portion of the winter wheat was so badly injured by the drouth last fall and the late freezing this spring, as to give no encouragement for a crop and the land has been planted to corn and other crops. The wheat looks much better on the river bottom, where the crop promises more than three-fourths of an average yield per acre. The drouth and freezing weather have seriously injured the clover meadows. Timothy meadows are in fine condition. Blue grass and timothy pastures show good growth for the season. There is a splendid prospect for an abundant crop of fruit of all kinds, bloom is unusually heavy. There is less number of horses and hogs in the county than last season at corresponding date. The soil is in excellent condition for plowing and seeding, and appears to be perfectly slacked like lime in localities that suffered most from drouth last season.

CHAMPAIGN.—Winter wheat is unusually promising except on low wet land—that sown on stubble or fallow ground is the best—that sown among standing corn is from poor to medium—some of which will be plowed up. Winter rye promises an average yield per acre. Meadows are in fair condition. Pastures are backward—the grass is growing rapidly since the warm weather. There is an abundance of bloom and the prospects for a large crop of fruit is very flattering. The number of head of cattle and horses is nearly up to that of the previous season at same date. Farm animals are healthy and in thriving condition. Soil is rather heavy not having had the benefit of much freezing weather during the past season.

CHRISTIAN.—The present prospects give encouragement for an abundant wheat harvest, the crop covers the ground well and the plant looks healthy and is making a rapid growth. A dry, cool May is the prayer of wheat growers, a warm, rainy May would induce a heavy growth of straw with little grain. Winter rye promises to make an average yield. Clover meadows injured somewhat by freezing during the winter.

Timothy meadows are in excellent condition. Pastures are looking well and growing rapidly. Very little barley, tobacco and sorgho grown in the county. There will be an abundant crop of all kinds of fruit. There is considerable increase in the number of sheep in the county compared with the same time last year and about the same number of horses and hogs. Farm animals are healthy and in thriving condition; no complaints of hog cholera.

CLARK.—Winter wheat is much above an average in condition, and on timber land it has seldom been more promising at this season. The February and March frozes injured the wheat on prairie lands largely composed of clay; but the late rains and growing weather have greatly improved the condition. Rye is in better than an average in condition. Meadows are in only fair condition. Pastures are backward in growth owing to the cold spring season. Fruit prospects are encouraging—some tender early varieties were slightly injured by late frosts. The excessive rains have packed the ground and the absence of freezing weather the past winter, leaves the soil in poor condition. Live stock is in good condition. There is not as much stock in the county as last year et this date. Fully two-thirds of the old corn crop has been fed or marketed.

CLAY.—The prospects are good for an early and abundant crop of winter wheat which has been favored with seasonable weather and has just commenced to head out. Winter rye is looking well. Meadows were late starting, but have made very rapid growth and promise a very large yield. Pastures are short, but are growing rapidly and furnish plenty of feed for stock. The fruit bloom has seldom been heavier than this spring, and with favorable weather there will be a very large crop of fruit of all kinds. Soil is in excellent condition for plowing and planting except where tramped late in the spring. There is an increase in the number of cattle, hogs and sheep in the county as compared with the same date last season. Farm animals are healthy and in thriving condition.

CLINTON.—The present outlook for winter wheat is very promising and with no unfavorable conditions there will be more than an average yield per acre; a portion of the wheat is headed out and the growth is very rank. Rye is better than an average in condition. Meadows in fair condition and improving rapidly since late rains and warm weather. Pastures are short for the season. Fruit prospects are very flattering and the bloom is abundant. The absence of freezing weather during the winter and the heavy rains this spring have left the ground packed hard and in poor condition for plowing and seeding. There is very little old corn in farmers hands. Excepting hogs and sheep, farm animals are not up to an average in condition. There is an increase in the number of cattle and sheep on hand when compared with same date last season.

COLES.—The prospect for more than an average yield per acre of winter wheat is very encouraging. The wheat is growing rapidly and with good weather the harvest will be early. Rye is up to an average in condition and is affording good pasturage. Meadows are in fine condition and promise

about an average crop of hay. Pastures are affording plenty of feed for stock and the growth of grass is more forward than usual. Farm animals are in excellent condition and excepting sheep, there is a decrease in the number on hand compared with the same date last year. The fruit buds indicate a very large crop of fruit of all kinds, the blossom is unusually heavy. Soil is in good condition and works well, plowing and planting well advanced for the season.

COOK.—Wheat was badly injured by the weather during the winter and the present prospects are not encouraging for more than one-third of an average crop. Rye will make something over two-thirds of an average yield per acre. Meadows are not in good condition, the dry weather last fall and want of the usual fall of snow has had much to do with the unfavorable growth of grass. Pastures, like meadows, have been injured by grub-worms, and have suffered from the conditions noted above. The fruit-buds are abundant and at this late date promise a large crop of fruit. Soil is in better condition than usual and plowing and seeding is going forward rapidly. Farm animals are healthy and in thriving condition. The number of head of live stock in first hands is less than for same date last season.

CRAWFORD.—Winter wheat has seldom looked better than at the present season, and with no unfavorable weather there will be more than an average yield per acre. Rye promises an average yield per acre. Meadows are in good condition for the season. Pastures show good average growth, and stock is now doing well on grass. There will be a large crop of fruit, with continued favorable season. Soil is in good condition for farm work. Farm stock is in much better than an average condition, and the number on hand, compared with the previous year, is less, excepting hogs. There is very little old corn remaining in producer's hands.

CUMBERLAND.—Winter Wheat is fully up to an average in condition—the late sown wheat was somewhat injured by the freezing weather in March. Rye promises an average yield per acre. Meadows look better than usual and the prospect is encouraging for a large hay crop. Pastures are nearly three weeks earlier than usual in growth and furnish plenty of feed for stock. There is a good prospect for a large fruit crop, of all kinds. The soil is in good condition for plowing and planting. Farm work is well advanced for the season. Live stock healthy and in excellent condition. Excepting hogs, the number of head of farm animals is below that of last year at corresponding date.

DEKALB.—Winter wheat badly winter-killed, and nearly one-half the acreage plowed up for other crops; some have sowed spring wheat on the winter wheat, with a fair season until harvest, there will not be much over half an average yield per acre. Winter rye promises over three-fourths of an average yield per acre. Clover was badly winter-killed: other meadows, although somewhat backward, are in promising condition. Pastures are short, but bid fair to make an average yield, and only need warm weather to make usual growth. Trees are in full bud, and the prospects

are flattering for a large fruit crop of all kinds. Soil is light and mellow, and works well. Farm animals are healthy and in fine condition. There is a slight increase in the number of hogs and sheep, compared with same date last season.

DEWITT.—Winter Wheat is about up to an average in condition—the drilled wheat looks much the best. The broad cast sown wheat did not stand the winter freezing and thawing, and such fields look spotted. Winter rye is nearly up to an average in condition—the average is not large. The cold spring has not been favorable for the rapid growth of meadows and pastures which are backward when compared with average years. The prospect is extra good for fruit of all kinds. Soil except on low or flat land is in fine condition for spring work which is well advanced. Cattle, sheep and hogs are in good spring condition. There is an increase in the number of sheep compared with the previous year and nearly as many cattle, horses and hogs.

DOUGLAS.—Winter wheat is above an average in condition and has seldom presented a more promising appearance at this early date. Rye will make more than an average yield per acre. Meadows and pastures are in fair condition. The prospect is very encouraging for all kinds of fruit. The soil is in good condition for spring work and farmers are improving the opportunities. Farm animals are healthy and in thriving condition. There is an increase in the number of cattle and sheep when compared with the previous year—the number of head of horses and hogs is less than same date last year. Fully two-thirds of the old corn crop either fed or shipped out of the county.

DUPAGE.—Wheat badly winter killed and from present prospects there will not be three-fourths of an average yield per acre. Winter rye looks but little better than winter wheat. There is considerable complaint of injury sustained by grubs in meadows. Clover has been damaged by the winter. Grass is as early as usual and the pastures are affording good feed, for stock. There is an abundance of fruit buds of every kind and with good weather there will be a large crop of fruit. Soil is in splendid condition. Farm animals are up to an average in condition and thriving. The number of sheep and hogs is less than last season at corresponding date.

EDGAR.—There has never been a better prospect for winter wheat at this early date and with favorable weather there will be much more than an average yield per acre. Meadows are growing finely and the prospect is good for a large hay crop. Pastures are in excellent condition and growing very fast. Fruits of all kinds promise an abundant crop. Ground works remarkably well considering the open winter. Live stock is about up to an average in condition and healthy. There is a slight increase in the number of cattle and sheep when compared with the same date last season.

EDWARDS.—Winter wheat is much above an average in condition, with a largely increased area, when compared with the previous year. Very little rye sown in the county, and that only for pasture. Clover

meadow winter killed in places. Timothy and red top in excellent condition in localities having the benefit of rains. Pastures are rather short and need rain. There was a very heavy fruit bloom and the prospect is flattering for a large crop of all kinds of fruit except peaches and cherries, which were injured somewhat by the late frost. Soil is tough and hard to pulverize owing to want of sufficient freezing weather the past winter. The number of head of farm stock is about the same as last season at this date, excepting sheep, which have been increased. Mules and swine are nearly up to an average in condition. Other kinds of farm stock are in very good condition and thriving.

EFFINGHAM.—Winter wheat is much above an average in condition and promises to make a very large yield per acre. Some fields have been injured by the Hessian fly. There is good prospect for an average yield per acre of winter rye. Meadows and pastures are rather backward in growth, but are improving rapidly since the favorable change in the weather. There is an immense prospect for all kinds of fruit. The soil is in better condition than usual for plowing and planting. Farm animals, excepting cattle, are in better condition than usual. There is an increase in the number of sheep and hogs compared with last season and about the same number of horses, a slight decrease in the number of cattle.

FAYETTE—The very favorable spring weather has greatly improved the condition of winter wheat, which promises to make more than an average yield per acre. Very little rye grown in this county; the condition promises more than an average yield per acre. Meadows and pastures look well, and grass well advanced in growth for the season. The fruit bloom is very full, and the prospect is very flattering for a large crop of fruit of all kinds. Condition of soil, owing to the light freeze, heavy and clammy. Farm animals are up to a good average in condition. There is a slight increase in the number of hogs and sheep when compared with last season, and about the same number of cattle; less number of horses and mules.

FORD.—The winter wheat crop badly winter-killed, and from present prospects there will not be half an average crop. There will not be over three-fourths of an average yield per acre of winter rye. Clover badly injured by the winter; timothy and other meadow grasses are short, owing to the late spring, and need warm seasonable weather. Fruit bloom is very heavy, and with good season there will be a larger crop of fruit than usual; few peaches grown in the county. The soil is in only fair condition; the late heavy rains have packed the ground. Farm animals are in splendid condition. There is an increase in the number of sheep and cattle, compared with corresponding period of 1879.

FRANKLIN.—Winter wheat is nearly up to an average in condition; on timber land the crop promises more than the usual yield per acre; on prairie and flat land the crop was seriously damaged by excessive rains during the winter. Winter rye is in fair condition. Meadows are up to a good average in condition. Pastures are looking well

and affording good feed for stock. There was a very heavy fruit bloom and the prospect is encouraging for a large crop of all kinds of fruit except peaches and plums which were injured by the frost of May 1st. The soil is clammy, and the plow turns up clods—the absence of freezing weather last winter and the heavy rains have packed the soil which is generally in bad condition for farm work. Farm animals are healthy and much above an average in condition. The number of head of live stock is about the same as same time last year.

FULTON.—Winter wheat is up to an average condition; looks better on light sandy soil; in some localities the stand is uneven, while in many other sections of the county wheat has never looked more promising at this season. Rye is above an average in condition. Timothy and other meadow grasses are up to an average in condition; clover badly winter-killed. Pastures are rather short but promise usual supply of grass. There was an abundance of fruit bloom of all kinds and the prospect is good for a large fruit crop. Ground works well and is in good condition for plowing and seeding. Farm animals are healthy and in thriving condition. The number of head of stock is about up to that of last season at corresponding date.

GALLATIN.—Winter wheat is hardly up to an average in condition, owing to the dry weather, the want of snow in winter and the damage in localities from Hessian fly. Rye promises nearly an average yield per acre. Meadows are nearly up to an average in condition and promises a good crop of hay. The growth of grass in pastures is rapid since the seasonable weather commenced, and the yield will be up to that of former years. Few peach trees bearing since the winters of 1878 and 1879; other varieties of fruit, excepting cherries, promise a large crop. For want of freezing weather last winter there is complaint of the bad condition of soil which breaks up hard and cloddy. Farm animals are nearly up to an average in condition. There is an increase in the number of cattle and hogs compared with same period last season.

GREENE.—Wheat is much above an average in condition, with no insects affecting it. Some fears of lodging are entertained on account of the very rank growth in places. The early sown looks much the best. Meadows are needing rain, and grass is not as forward as usual at this season. Pastures show a thick sward of grass of good color, and only rain is needed to ensure abundance of feed. Soil is mellow and works well. Many are through planting corn. Farm animals are in thriving condition; the number of head of live stock on hand is less than last season at corresponding date.

GRUNDY.—The weather during the past winter has been very unfavorable for winter wheat which was nearly all killed by the freezing, thawing and wet weather. From present prospects there will be but little over one-fourth of an average crop. Rye will make about an average crop. The cold wet weather has not induced the rapid growth of grass in pastures or meadows and the condition is not up to an average. The prospect for fruit is flattering and much better than

last year. The soil is not in good condition owing to the open winter, and where stock has been allowed to run the ground is especially very hard. Farm stock, except mules and hogs, are hardly up to an average in condition. There is an increase in the number of sheep, and about the same number of head of cattle on hand as last season.

HAMILTON.—Winter wheat is up to a good average in condition, in some parts of the county the wheat promises an extra crop. There is very little rye grown in the county; the condition is about up to an average. It has been rather too cold for the usual growth of grass and meadows and pastures are quite backward. There will be a fair crop of fruit. The heavy rains have packed the soil, leaving the same rather clammy and hard when plowed. Farm animals excepting swine are about up to a good average in condition. There is a decrease in the number of head of live stock when compared with same date last season.

HANCOCK.—Winter wheat injured by dry weather, and a large area has been plowed up and seeded to spring wheat. The prospect is not encouraging for more than three-fourths of an average yield per acre. Rye promises to make nearly an average crop. Meadows and pastures have made a good growth and the indications are favorable for an abundance of hay and grass for stock. The fruit bloom was very heavy, and there is good prospect for an abundant fruit crop. The hail storm of April 24 injured fruit buds in some parts of the county. The soil is in splendid condition for plowing and planting. Mules and sheep are nearly up to an average in condition; other farm animals are doing better than usual. There is an increase in the number of hogs and sheep when compared with the previous season and about the same number as heretofore of other kinds of stock.

HARDIN.—Winter Wheat is excellent and the large increase in acreage, with no unfavorable conditions, promise a very large crop. Rust has made its appearance in some localities. Rye is looking well and will make an average crop. Meadows are looking well. Pastures are in good condition. Small fruits are not injured and will make a fair crop. Peaches about one-third of a crop. Apples an average crop. The heavy spring rains have retarded work; the ground is rather cloggy and does not break up well. Farm animals are nearly up to an average in condition; about the usual number of head of cattle, horses and sheep and less number of hogs compared with the previous year.

HENDERSON.—Winter wheat was seriously injured by the freezing weather and drought, and will not make more than half an average crop. Rye is looking well, and will make a good crop. Meadows are improving rapidly since late rain; pastures are rather short for the season; clover in meadows and pastures badly winter-killed; timothy and bluegrass now growing very fast. Prospects have seldom been more promising for all kinds of fruit. Soil is mellow and in splendid condition for breaking and seeding. Work horses are in thin flesh; other kinds of live stock are in thriving condition. There is an increase in the number of head of sheep,

and less number of other kinds of stock as compared with same date the previous year.

HENRY.—There was a much larger acreage sown to winter wheat last fall than heretofore; the crop was badly winter-killed, and there will not be above one-fourth of an average yield per acre. Rye looks well, and will make nearly an average yield. Clover meadows seriously injured by the winter; timothy and other grasses look promising, but are rather backward, owing to the cold season; blue-grass pastures are much better than timothy; the weather has been unfavorable for the usual growth. There is a good prospect for all kinds of fruit; the bloom is very heavy; the late frosts injured some of the early and tender varieties. Soil is in good condition for plowing, rather too cold for planting. Farm animals, excepting sheep, are hardly up to an average condition. Excepting sheep and mules, there is a decrease in the number of head of the different kinds of live stock.

IROQUOIS.—Wheat was injured during the winter, and does not give promise of more than two-thirds of an average yield per acre. Winter rye will make over three-fourths of an average yield. Meadows and pastures are looking well and only need seasonable weather to ensure usual growth. Fruit prospects are flattering, and with good season there will be an abundant crop of fruit. The excessive rains have packed the ground, which is hard and not in the best condition for spring work. The condition of farm stock is good. There is an increase in the number of head of sheep and mules, and a decrease in the number of head of swine compared with same date of 1879.

JACKSON.—Winter wheat over the county is above an average in condition—and in many parts of the county has seldom, if ever, been in a more promising condition. Winter rye looks well and will make a good yield; very little grown in the county. Meadows and pastures show good growth for the season and are rather better than usual. The present prospects are flattering for a large fruit crop. Soil is hard and packed, the result of heavy rains. Live stock healthy and in fine condition for the season. Excepting horses and mules, there is an increase in the number of head of live stock in the county compared with same date last season.

JASPER.—Winter wheat is above an average in condition, and it is difficult to find an inferior piece of wheat except where drowned out or on worn out soil. The crop is heading out in some fields and the harvest promises to be much earlier than usual. Rye is not cultivated to any extent—mostly for pasturing and green manuring; the crop is in promising condition. Meadows and pastures show a vigorous healthy condition of growth. The oldest inhabitant "affirms" that there has never been a heavier fruit bloom, and with favorable season there will be a superabundance of all kinds of fruit. Farm animals are in splendid condition, and with the exception of swine there is a decrease in numbers compared with previous year.

JEFFERSON.—The prospect is encouraging for more than an average yield per acre

of winter wheat. Some fields were injured by freezing last winter. Rye is up to an average in condition. Meadows are in good condition. Pastures are rather backward for the season. The fruit prospect is flattering. Some early varieties of fruit badly damaged by late frosts. Soil does not work well; is rather clammy, and after plowing is hard and does not pulverize well. Stock is healthy and in thriving condition. There is a slight increase in the number of hogs and a decrease in the number of other kinds of stock compared with the previous year.

JERSEY.—The dry, cool weather has been favorable for winter wheat, which is above an average in condition; on the flat prairies it looks and promises better than usual; on the hill lands the wheat is not so strong but is healthy; the growth is more advanced than usual and the harvest promises to be early and abundant. The meadows are in excellent condition and the grass plants have tillered well and since seasonable weather the growth has been rapid. Pastures have not made the usual growth, but look promising for average crop of grass. Fruit bloom has been very abundant and no injury perceptible, except to some tender varieties of cherries and peaches. Soil, except on low, flat and wet lands, breaks up nicely and pulverizes very fine. Sheep and hogs are up to a good average in condition; cattle, horses and mules nearly up to an average. There is considerable increase in the number of sheep in the county compared with the previous year; other kinds of stock compare favorably in number with 1879.

JODAVIES.—The open winter and absence of protecting snows has been very unfavorable to winter wheat which has been seriously injured by freezing weather and promises about half an average yield. Some have plowed up the crop and sown spring wheat. Rye has stood the winter better than wheat and from present appearances will make over three-fourths of an average yield per acre. Meadows are somewhat above an average in condition, rather backward owing to the cold weather and excessive rains. There is an abundance of bloom and the prospects are good for a large fruit crop. The copious rains have saturated the soil more thoroughly than for many previous years and gullied out cultivated hill land fearfully, and on the smaller streams sent an endless amount of fence to destruction. Cattle are nearly up to an average in condition, other farm stock in fine condition. There is an increase in the number of sheep and about the same number of mules and hogs, and a slight decrease in number of horses and cattle compared with previous years.

JOHNSON.—Winter wheat does not promise much over three-fourths of an average yield per acre; the crop has been injured in some localities by insects. The excessive rains have packed the soil, which has since baked; the wheat is heading out very low. Rye promises about an average crop. Meadows and pastures promise an average hay and grass crop. There will be a fair crop of all kinds of fruit except peaches which may make one-fourth of a crop. Ground is very cloddy and does not work well. Stock, excepting cattle, are up to a good average in condition. There is an increase in the number of sheep, about the same number of horses

and a less number of other kinds of stock on hand this spring when compared with last season.

KANE.—Winter wheat has suffered severely from the frequent freezing and thawing during the past open winter and from present prospects there will not be over three-fourths of an average yield per acre. Rye will make nearly an average crop. Meadows were injured by the ravages of the white grub last fall, and the red clover almost entirely winter killed—not over three-fourths of an average yield per acre of hay expected. Pastures containing clover are almost bare and show but little grass—the other grasses look well and with reasonable weather will furnish abundant food for stock. The fruit prospects are very flattering, the apple and cherry trees are budding out profusely and give promise of an abundant crop. Soil is unusually mellow and friable and in fine condition for putting in spring crops; tile drained lands are in excellent condition, and will give a large remuneration for the expense of drainage.

KANKAKEE.—There will not be over three-fourths of an average yield of winter wheat, owing to the open wet winter and the frequent freezing and thawing, which has seriously damaged the winter wheat and entirely killed the greater portion of the crop in some localities; the drilled wheat on drained land, with scarcely an exception, looks very promising, and will make more than an average crop. There will be over three-fourths of an average yield per acre of winter rye. Meadows, excepting clover, are in promising condition, except where pastured too closely. Pastures are making rapid growth and furnishing good picking for stock. There will be an abundance of fruit of all kinds, judging from the heavy bloom; raspberries are an exception, the most hardy varieties having been winter-killed. The frost has thrown out strawberries where not protected. The excessive rains have packed the ground and left it in bad condition for work. The drained lands are in fine order for plowing and seeding. Stock of all kinds in very fine condition, for the season. There is an increase in the number of cattle, horses and sheep, when compared with same date last season.

KENDALL.—Winter wheat is injured in some localities by alternate freezing and thawing during the winter, but the present prospects are favorable for more than three-fourths of an average yield per acre. Rye has stood the winter better than wheat, and will make nearly an average yield per acre. Meadows, excepting clover, are in fine condition, for the season, and promise to make nearly an average yield per acre of hay. Pastures are about ten days in advance of last season, and the seasonable weather has induced a very rapid growth. The fruit bloom is very heavy, and with the exception perhaps of strawberries, there will be, with good weather, an abundant crop of fruit, of all kinds. The soil, where not tramped with stock, breaks up well and is light friable. Stock is in fair condition; there is an increase in the number of sheep, about the same number of horses and mules, and a decrease in the number of cattle and hogs when compared with same date last season.

KNOX.—The open winter with frequent freezing and thawing has injured winter

wheat in some localities, damaging the crop so badly as to make it necessary to plow up some fields and seed to other crops. Since the middle of March the weather has been favorable for wheat, which is tillering well and will make over three-fourths of an average yield per acre. Rye will make an average crop. Meadows show the effect of the open winter and want of snow protection, and are not up to a good average in condition. Pastures are late and the grass furnishes but little picking for stock. Fruit prospect is good. The bloom was very heavy and there is no complaint of injury by frost. The heavy rains late in April have packed the ground, and low lands, unless drained, are water soaked. The drained land is in fine condition for farm work. Farm animals are healthy and in fine condition. Work horses are rather thin in flesh. There is an increase in the number of sheep and mules, and about the same number of other kinds of stock as last season at this date.

LAKE.—The open winter has seriously injured the winter wheat, which will make but little over half an average yield per acre. On high rolling clay or sandy land the wheat looks much better than that sown on black level land. Rye is in fair condition, and on the acreage sown will make over three-fourths of an average crop. The white grub and May beetle have done considerable injury to the meadows, which are backward in growth, owing to the cold, wet spring; clover meadows generally winter-killed. Pastures are rather short, but making rapid growth since the seasonable weather opened. Prospects encouraging for a full crop of all kinds of fruit; it is rather early, however, to form any definite opinion. Oats sown in good condition; soil light and in excellent condition, until late rains. Very little flax sown. Farm animals are about up to an average in condition, and the number on hand is almost as large as last season.

LA SALLE.—Drilled wheat and wheat on land favorably exposed is in only fair condition; the greater part of the crop was winter killed and the land has been seeded to other crops; present prospects do not indicate over half an average yield per acre on the winter wheat remaining. Rye looks slim and will make but little over half a crop. Clover is generally winter killed; other meadow grasses are in from fair to good condition and promise a medium crop of hay. Pastures are quite short and poor for the first of May. The fruit bloom is abundant and with good weather there will be a large crop of all kinds of fruit. Having had little freezing last winter and considerable rain, ground plows up rather lumpy and is in very bad condition where stock have run. Farm animals are nearly up to a good average and the number on hand compares favorably with that of a year ago.

LAWRENCE.—Winter wheat is in fine condition and has improved rapidly of late. The crop was damaged some on low lands from excessive rains late in the winter, but this has about recovered. Meadows and pastures are more forward than usual in growth and promise a good crop of grass and hay. Fruit prospect is very promising. For want of good freezing the past winter the soil is rather tough and does not pulverize well. Farm animals are in fair condition, and excepting cattle and hogs, the winter compares favorably with that of corresponding date last season.

LEE.—Winter wheat badly winter-killed, and from present prospects there will not be two-thirds of an average yield per acre; the drilled wheat is in the most promising condition. The ground has seldom been so wet as this spring and vegetation is backward. Rye will make nearly an average crop. Clover was seriously injured by the freezing and thawing the past winter; other meadow grasses are in good condition and promise an average crop. Pastures are rather short, but are of late making rapid growth. Trees are full of fruit bloom and the prospect is encouraging for a large fruit crop. Soil in many localities wet and heavy, on drained land is light and friable. Farm animals, considering the open winter, are in fair condition. There is an increase in the number of sheep, and a large decrease in the number of hogs compared with same period last season.

LIVINGSTON.—Winter wheat will not make more than one-half an average yield per acre owing to the injury sustained by the freezing weather the past winter and the chintz bugs which are now present in large numbers in spite of the cold and heavy rains. Rye with favorable weather promises over three-fourths of an average yield per acre. The freezing and thawing weather has thrown up the grass and injured meadows especially where there was any clover. Pastures on which stock has been allowed to run is tramped up and in bad condition; the grass is backward in growth but is improving rapidly since the seasonable weather. There is a very heavy fruit bloom and the prospect is favorable for a large crop of all kinds of fruit. Farm animals are healthy and in good condition for the season. There is not as many cattle and hogs in the county as last season at this date; the number of sheep is larger than at corresponding time in 1879.

LOGAN.—Winter wheat is about up to an average in condition. Wheat sown on stubble ground looks much better than that sown in standing corn; the early-sown, where properly seeded, is in very promising condition and will make an unusually large yield, with no unfavorable weather; there are some chinch bugs, in localities; some few pieces of winter wheat have been plowed up. Condition of rye is up to an average. Two-thirds of the old corn crop has either been fed or marketed. Meadows and pastures are rather backward in growth, owing to the cold and dry spring. Fruit trees of all kinds are very full of bloom, and the prospect is flattering for an abundant crop. The soil is in fine condition for plowing and seeding and spring work is well advanced. Farm animals are in fine condition and there is no complaint of any prevailing disease. There is an increase in the number of sheep, compared with last season; about the same number of other kinds of live stock.

MACON.—The condition of winter wheat is much above an average; there is complaint of winter-killed wheat where soon broadcast and the experience of this season will induce more care hereafter in seeding; there is no complaint of injury sustained by insects. Rye promises more than an average yield per acre. Meadows have had an abundance of rain this spring and are now growing rapidly. Stock has generally been turned out to pasture; the growth of grass is rather backward for the season. The

prospect is flattering for a very large crop of all kinds of fruit; trees are loaded with bloom. Live stock is in better condition than usual and no complaints of disease. There is a large increase in the number of sheep compared with last season and nearly as many horses mules and hogs. Soil is in fair condition for work; would have been better with more freezing last winter.

MACOUPIN—The prospect for wheat has not been better for many years, and with a good season, the yield will be much above an average; the wheat is at least two weeks earlier than usual, and is now beginning to head out well. There is scarcely a poor field of wheat in the county. Indications are promising for an average hay crop. Pastures look promising, and stock has been doing well on grass for three weeks. The prospect is very encouraging for an abundant crop of fruit of all kinds; some tender varieties of peaches and cherries touched by late frosts. The ground breaks up mellow, and is in better condition than usual at this time of the year. Farm animals are in fine condition, and the number of hogs and sheep is greater than same date last season; there are not as many cattle and horses in the county as a year ago.

MADISON—Winter wheat could hardly be in better condition; there is no visible injury so far, either from insect or from other causes, and with good season the yield for the county will be much above the average. There is a good crop of Rye. Meadows and pastures are in good condition and the growth of grass is well advanced for the season. Peaches and cherries have been thinned out somewhat by late frosts; other kinds of fruit promise well. The soil was hardened by heavy rains and subsequent hot weather and drying winds, is in better condition since late rains. Farm animals are in excellent condition and with the exception of hogs and sheep there is no increase in numbers when compared with the same date last year.

MARION—There has seldom been a better prospect for winter wheat than this season, and with favorable weather, there will be more than an average yield per acre. The condition of rye promises an average crop. Meadows and pastures are in good condition and the growth of grass well advanced for the season. The fruit crop promises to be large. The condition of soil is not as good as usual, owing to the heavy rains and absence of freezing weather last winter. Farm animals are much above an average in condition; there is a decrease in the number of head of live stock compared with the previous year at same date.

MARSHALL—Winter wheat has been injured by the frequent freezing and thawing during the winter, and at this time does not promise but little over three-fourths of an average yield per acre. Rye will make an average yield per acre. Meadows promise a good hay crop. Pastures are up to a good average, and the grass, since the late rains, is making very rapid growth. Fruit prospects are better than for several years. Soil is in good condition and spring work is well advanced. Chinch bugs have made their appearance in large numbers; some Colorado potato bugs have been seen, but they

are ahead of the potatoes this season, which are not above ground. Farm animals are up to a good average in condition; the number of sheep on hand is larger than last season at this date.

MASON—The condition of winter wheat is above an average; in some localities the growth is rank; the yield per acre with good season until harvest will be better than usual. Rye looks very promising. Meadows are in good condition; the sandy soils of this county are not the best for meadows. Pastures are short owing to the cold and backward spring; the grass on the bottom lands is fully ten days earlier than on the upland. The bloom indicates a large crop of all kinds of fruit. Soil is in good condition for farm work and planting is rapidly nearing completion. Farm animals are healthy and in excellent condition; there is a decrease in the number of hogs and cattle in the county when compared with the previous year.

MASSAC—Winter wheat has suffered for want of rain, and from present prospects will not make much over three-fourths of an average yield per acre. Meadows and pastures are in fair condition. The bloom indicates an abundant crop of fruit of all kinds. The absence of freezing weather the past winter and the heavy rains in the spring have much to do with the hard, compact condition of the soil. Cattle, horses, sheep and hogs are in good order. There is an increase in the number of hogs on hand, when compared with the same date last season; a decrease in the number of horses, and about as many head of cattle and sheep.

MCDONOUGH—Winter wheat looks very spotted on the ground, owing to the freezing and thawing weather the past winter, and will not make an average yield per acre. The Siberian wheat was the only variety that successfully withstood the winter. Rye looks very promising and will make a good crop. Meadows are much improved since recent rains, and with the exception of clover, meadows will make an average crop of hay; pastures that were not stocked too heavily, and late last season, are in fair condition. The bloom is very heavy, and the prospect for a large fruit crop promising; the sharp frosts and the late hail storm have slightly injured tender varieties, in some localities. Soil is very loose and mellow, and in fine condition, except where tramped by stock late in the season. Farm animals are in fine condition for the season. There is an increase in the number of sheep, and a decrease in the number of head other kinds of live stock, compared with same date as last year.

MCHENRY—Considerable wheat winter killed, and from present indications there will be about three-fourths of an average yield per acre. Wheat is improving rapidly since the seasonable weather. Rye is growing rapidly and will make nearly an average crop. Clover meadows were injured by the winter's freezing. Other grasses are in much more promising condition than usual. Pastures are doing well and the growth of grass is more forward than usual. Very flattering prospect for a good crop of apples, pears and cherries. Fruit buds not the least

injured by frosts. Ground is rather wet and does not work to the best advantage. There is an increase in the number of sheep and cattle compared with same date the previous year, and less number of horses and swine. Farm animals are healthy and doing well.

McLEAN.—The freezing and thawing weather in February and March and the dry cold winds of the latter month, seriously injured the winter wheat prospects—in some portions of the county nearly one-fourth of the wheat is killed. The condition of winter wheat somewhat below an average yet the largely increased average over the previous year, with continued favorable weather will ensure one of the largest crops ever produced in the county. Winter rye is in about the same condition as winter wheat, with less average than last season. Meadows are rather backward in growth, clover badly winter killed and timothy somewhat injured; grass is growing rapidly of late, and blue grass and timothy pastures are affording considerable feed for stock. The prospect for all kinds of fruit is very encouraging. The late heavy rains have packed the soil; but little land plowed for corn. Farm animals are in good average condition. There is a limited supply of horses, mules and hogs and more sheep when compared with same time last season.

MENARD.—The very large acreage of winter wheat in this county is in very fine condition and with a good season until harvest the yield per acre will be as good, if not better, than any on record. Rye looks promising. Meadows and pastures are in splendid condition, and the growth of grass is rapid. Stock have been on pasture for some time, and find an abundance of grass. The fruit bloom is immense, and with favorable weather there will be an abundant crop of all kinds of fruit. Soil is mellow and in good condition for plowing and seeding. Much of the corn area is planted.

MERCER.—Winter wheat is badly winter-killed and most of it will be plowed up and put in other crops. Winter rye looks well, and from present prospects will make a fair average crop. Timothy and blue grass meadows look well. Pastures somewhat backward owing to cold spring. Condition of soil only medium, owing to late heavy rains. Fruit prospects were never better. Pears in full bloom on May 1st. Farm animals are in fair condition. There is a slight increase in the number of cattle, mules and sheep, and a decreased in the number of horses and hogs on hand, compared with same date last year. About 17 per cent. of the corn crop of 1879 on hand.

MONROE.—Winter wheat is very forward in growth and is much above an average in condition, and with good weather will exceed the great crop of 1879 in yield. Rye is not extensively grown in the county. The crop looks well and promises more than an average. Meadows are in fine condition and promise a good hay crop. Pastures are better than last year and show good growth for the season. Fruit prospects are good. The late frosts have slightly injured early peaches. Soil is in fine condition for plowing and seeding, and work is well advanced. Farm animals are healthy and in

thriving condition. The number of head of live stock is not as large as at same date last season.

MONTGOMERY.—Winter wheat has seldom if ever been in more promising condition at this season and with good weather the wheat crop will be the largest ever harvested in the county. Rye is much above an average in condition; acreage limited. Meadows are looking well. Pastures are well forward in growth and promise an average grass crop. Fruit prospects are favorable for a good crop of all varieties of fruit. Owing to the heavy cold rains the soil is rather heavy and does not break up as well as usual, especially after good winter freezing. Live stock is in good condition. There is a large increase in the number of sheep over last season, and an increase of cattle, mules and hogs; horses are nearly up to that of the previous year.

MORGAN.—Drilled wheat, where the land was well prepared, is in fine condition; that sown broadcast was either winter-killed or so seriously injured by the drouth as to make it advisable to plow up the greater portion of the acreage thus sown; winter wheat is best on stubble ground; next best where sown in standing corn and poorest where corn was cut up, which was generally late sown. Rye is up to an average in condition. Clover badly winter-killed. Timothy meadows in splendid condition. Pastures not very forward in growth and grass is short but very thick. The fruit bloom is very heavy, and the prospect is very flattering for all kinds of fruit. Soil pulverizes well, and indications are favorable for a good crop year. Horses, hogs and sheep are up to a good average in condition. There is an increase in the number of cattle and sheep compared with same date last season.

MOULTRIE.—Winter wheat is remarkably forward in growth for the season. In some fields the grain is over eighteen inches high. The wheat covers the ground well, and with favorable season the yield will be much above an average. Very little winter rye sown. The crop promises more than an average yield per acre. The growth of straw is rather rank. Meadows show the effect of the drouth and cold weather and are backward in growth. The grass is now growing rapidly and the prospect is favorable for an average hay crop. Stock is doing well on pastures. The growth of grass has been retarded by the cold dry season. The bloom was very heavy and all the more hardy varieties of fruit escaped injury from late frosts and will make an average crop. Excepting on the low and flat lands the soil works well and pulverizes nicely. Farm animals are in good condition for the season. There is a slight increase in the number of cattle compared with same date of 1879.

OGLE.—Wheat badly injured by the freezing and thawing of the past winter and spring, and at this time does not promise three-fourths of an average yield per acre; a portion of the winter wheat has been plowed up for other crops. Winter rye is in splendid condition, and promises to make more than an average yield per acre. Clover meadows badly winter-killed; the newly-seeded clover looks well; cut-worms have injured meadows somewhat; the hay crop

will not be large. The late rains are improving pastures, which are short, owing to unfavorable season; now growing rapidly. Trees, bushes and vines are loaded down with blossoms, and the prospect is flattering for large fruit crop. Since late heavy rains the soil is wet and cold, and not in the best condition for plowing and planting. Farm animals are generally in fair condition and free from disease.

PEORIA.—Winter wheat is not up to an average in condition; has been winter-killed in some sections; the wheat looks best on the clay and sandy soils; the wheat on prairie soils is rather spotted. Rye promises nearly an average crop. Timothy meadows look well; clover meadows badly winter-killed; bluegrass and timothy pastures are up to a good average in condition. There is an abundant fruit bloom, and the prospect is very flattering for a very large crop of all kinds of fruit. The late heavy rains have made the soil in many localities wet and clammy, which, with the lack of freezing weather last winter, has made the soil rather below the average in condition. Live stock is in excellent spring condition, and there are no complaints of disease; there is considerable increase in the number of sheep, as compared with same date last season.

PERRY.—Winter rye has not recovered from the effects of the heavy rains, and the injury sustained by the Hessian fly last fall; the crop is improving, and promises to make nearly an average. Winter rye looks well; very little raised in the county. Meadows and pastures show good growth for the season, and promise an average crop of hay and grass. The late frosts seriously injured the prospect for peaches; other kinds of fruit promise about an average crop. The absence of sufficient freezing weather last winter has much to do with the unfavorable condition of the soil, which in many localities is heavy and hard to plow. There is no complaint of disease with live stock, which is in good condition. The number of hogs is larger than same date last season.

PIATT.—Winter wheat is in a very promising condition and with seasonable weather will make more than an average yield per acre. Rye is in good average condition. Meadows are looking well; the freezing and thawing weather has thrown out the grass somewhat and the roller has been used to good effect. Pastures are improving rapidly and will soon furnish stock plenty of grass. The prospect has not been more favorable for a large crop of fruit for several years; the bloom is very heavy. The soil until recent heavy rains was in good condition for spring work. Farm animals are nearly up to a good average in condition; the number of cattle and sheep is larger than last season.

PIKE.—Winter wheat is much above an average in condition and with good weather until harvest, the wheat crop will be very large; on low, flat and poor lands there will be only a medium crop. But little rye sown; the condition at this time promises an average yield per acre. Meadows are hardly up to an average, owing to dry weather. Clover badly winter killed by being thrown out and the roots exposed. Pastures other

than clover, in fair condition. Fruit prospects are flattering, some early peaches injured by frosts. Soil has been in good condition for spring work, the late heavy rains have packed the ground and washed out the corn badly in some localities. Farm animals are in splendid condition and making rapid growth. There is a slight increase in the number of sheep when compared with last season, and about the same number of cattle and hogs.

POPE.—Winter wheat has seldom been in as promising condition at this season—the growth is rather too rank in some sections. In some fields the lower blades are turning yellow. Meadows and pastures are up to an average in condition; grass is making rapid growth and stock is doing well on the range. The prospect is good for all kinds of fruit. The absence of the usual freezing weather last winter and the heavy rains have packed the ground which is very tough and clammy, especially the bottom lands which if broken will have to be plowed wet. Horses and hogs are up to an average in condition; cattle and sheep are not looking as well as usual at this season. The number of head of stock is less than a year ago.

PULASKI.—Winter wheat is making good growth, and is rather above an average in condition, for the season. Rye will make more than an average crop; the area devoted to this crop is small. Farm animals are doing well, and there is no complaint of disease. More attention is paid to the improvement of live stock, and the number of head of the different kinds of farm animals on hand this spring exceeds that of last season.

PUTNAM.—The open winter and frequent freezing and thawing seriously injured wheat, nearly one-half of which is winter-killed. Rye is in fair condition and promises nearly an average yield per acre. Timothy meadows are in fair condition; clover was badly winter-killed. Pastures are nearly up to an average in condition; rather short, owing to the cold spring. The fruit prospects are good; trees heavily laden with bloom. Soil is in good condition for spring work; rather heavy since recent rains. Farm animals are above an average in condition; there is an increase in the number of mules and sheep, compared with the previous year, and about the same number of cattle and horses.

RANDOLPH.—Winter wheat is in promising condition; fields injured by the Hessian fly look very uneven; where the wheat was pastured the crop looks more promising. Old wheat has been generally injured by the weevil and it is a serious question whether wheat can be safely kept over winter. Meadows and pastures are in excellent condition, and the growth of grass is rapid. The fruit buds are abundant and have not been injured by late frosts; the prospect for large crop of all kinds of fruit very flattering. The open winter and rains have packed the soil, and there is much complaint of the unfavorable condition of the ground for plowing and planting. There is an increase in the number of sheep compared with previous year, and about the same number of head of other kinds of live stock. The condition of farm animals is about up to an average.

RICHLAND.—Winter wheat promises more than an average yield per acre, which with the increased acreage will ensure one of the largest crops ever grown in the county. Rye is up to an average in condition. Meadows and pastures are in fair condition; rather short for the season, considerable acreage of meadows and pastures seeded to winter wheat. Splendid prospects for all kinds of fruit; bloom very heavy. The soil is rather heavy since the late rains and does not work as heretofore. Farm animals are in excellent condition; there is a slight increase in the number of hogs and about the same number of head of cattle, horses and sheep as last season.

ROCK ISLAND.—Winter wheat nearly all winter-killed; hill-sides facing south and east have some wheat still growing of very indifferent promise. Winter rye is nearly up to an average in condition; but little sown in the county. Old meadows are in fair condition; new seeding of clover and timothy nearly all winter-killed. Pastures are in fair condition; the growth of grass is short; recent rains have started a rapid growth of grass. Fruit trees, bushes and vines are full of bud and bloom, and the prospects are flattering for an abundant crop of fruit and berries. Soil is mellow and in good condition for plowing and planting.

SALINE.—There will be more than an average crop of winter wheat judging from the present condition which is better than usual. Rye promises an average yield per acre. Meadows and pastures are in fine condition, and the growth of grass is well advanced for the season. There will be a large crop of apples and small fruits, peaches about three fourths of an average crop. Soil does not work to the best advantage owing to the open winter weather. Farm animals are in excellent condition and there are no complaints of disease among live stock of the county. There is an increase in the number of horses and hogs compared with the previous year.

SANGAMON.—A portion of the winter wheat was injured to such an extent last fall by the chinch bugs, Hessian fly, and the freezing and thawing the past winter, as to make it necessary to plow it up and seed to other crops. Wheat that was drilled or seeded broadcast on properly prepared seed bed, with scarcely an exception, looks well, and promises more than an average yield per acre. Winter rye is above an average in condition. Timothy meadows are in fair condition and growing thick and rapidly, since rains and warm weather; nearly all the old clover winter-killed. Pastures are rather short, but making good growth of late. Fruit bloom unusually heavy, and prospects good for large crop of all kinds of fruit; the fruit prospect was injured in some portions of the county by the hail storm on the night of April 24. Soil pulverizes well, and spring crops have seldom been seeded better; on the bottom and level uplands the soil is saturated with water, and it will be some time before such lands can be worked well. Farm animals are healthy and in better condition than usual. There is a large increase in the number of sheep on hand, compared with last spring.

SCHUYLER.—Winter wheat was materially damaged by dry cold winds of March, which with the dry weather last fall has reduced the prospect for an average yield per acre. Rye will make an average yield per acre. Meadows are well forward in growth for season and the prospect is encouraging for an average hay crop. The fruit bloom indicates a full crop of all kinds. The soil is in good condition for plowing and planting and the greater part of the corn is planted. Farm animals are in healthy condition; the number of sheep is about the same as last year; other kinds of stock are somewhat below the number on hand this date last season.

SCOTT.—The increased acreage of winter wheat will make up for the injury sustained by the crop in some sections, where injured by freezing and thawing during the winter and spring. The drilled wheat is in much the best condition, and will make more than an average yield. Rye is looking well. Meadows are in fine condition and promise an average crop of hay. Pastures are short owing to backward spring; the late rains have improved the growth of grass. The prospects are favorable for a large crop of all kinds of fruit; peaches in some localities blighted. The soil, until recent rains, never better for spring work, now rather wet and clammy. Farm animals are about up to a good average in condition. There is an increase in the number of swine, and about the same number of horses, mules and sheep as last season at corresponding date.

SHELBY.—There has seldom been a better prospect for a large yield of winter wheat than at the present time. The acreage is nearly one-half more than last season; the growth is rank and with heavy rains the wheat will lodge. There are indications of fly in some localities. Winter rye is up to a good average in condition; there is only a small acreage in the county. Meadows are in fair condition; improving rapidly since warm weather. Pastures are in good condition; grass is rather short but thick. Trees are full of bloom and the prospects for a large crop of fruit very encouraging. The soil works better than was expected owing to the open winter and so little freezing. Live stock of all kinds is above an average in condition, excepting cattle; the number of head of farm stock is less than for corresponding date last season.

STARK.—Winter wheat in many sections of the country winter killed. The condition promises about three-fourths of an average yield per acre. Winter rye is up to an average in condition. In some localities there are complaints of the appearance of large numbers of chinch bugs. Clover meadows were winter killed where pastured late in fall. Meadows generally are up to an average in condition and growing finely. Pastures are nearly up to an average in condition. Prospects are very promising for all varieties of fruit. Soil is generally in good condition for plowing and planting. Farm animals are healthy and in thriving condition. There is an increase in the number of sheep and a slight decrease in the number of swine compared with same date last spring.

ST. CLAIR.—The condition of the growing wheat is very promising and many fields are

heading out; with good weather the yield of winter wheat per acre will be better than an average. Meadows are not as forward in growth as usual owing to the cold spring, but will doubtless make an average crop of hay. Pastures are short, but give promise of a good supply of grass. Fruit trees heavily laden with bloom, and the prospect is encouraging for a large crop. The soil plows up fine and mellow, much to the surprise of such as insist on plenty of freezing winter weather to ensure mellow and friable condition of the soil. Live stock is about up to a good average in condition; the number on hand compares favorable with the same date last spring.

STEPHENSON.—Winter wheat considerably damaged by cold dry weather in March and freezing and thawing during the winter. The present prospects indicate more than half an average yield per acre; some winter wheat was plowed up for spring wheat and other crops. Rye somewhat injured but will make something over three-fourths of an average yield per acre. Much of the clover froze out; the timothy meadows are in good condition and promise an average crop of hay per acre. Pastures have made but little growth, rather backward for the season. Fruit buds indicate a large crop of all kinds of fruit. Soil is wet and heavy and shows the want of freezing weather the past winter. Farm animals are healthy and in better condition than last spring; the number of head of the different kinds of stock compares favorably with same date last season.

TAZEWELL.—Winter wheat is coming on finely, and will make much better crop than was expected earlier in the season; nearly an average yield per acre will be realized, with good weather. Winter rye is doing well, and will make a good crop. Meadows not too closely pastured last fall will make an average crop of hay. Pastures are in splendid condition and making good growth. Fruit prospects have seldom been better, and as yet there is no appearance of damage from the frost or other causes. Soil, until late rains, has been in fine condition for plowing and planting. There is no complaint of disease among farm animals, which are generally in thriving condition. The number of head of live stock in the county very nearly approaches that of last season at same date.

UNION.—Winter wheat is much above a good average in condition, and well advanced for the season; a large portion of the wheat is heading out, and some is already in bloom. Rye will make an average. Meadows and pastures are in promising condition. The crop of strawberries, owing to dry weather, will be less than usual; the area of this crop is about 1,200 acres near Cobden, and 800 acres new planting. There will be half a crop of peaches; about one hundred thousand peach trees have been dug out the past five years near Cobden; new orchards are being planted on more extensive scale. Pears will not make more than half the crop marketed last year, which exceeded that of any previous year. Apples will not make an average crop. Tomatoes, raised for shipment north, met with good sale last season, and will receive more attention this year. Raspberries and wild blackberries promise a large crop; cherries quarter of a crop. Farm stock in good condition, and about the same number on hand as one year ago.

VERMILION.—Winter wheat is generally good. Hardly a field that will not make more than a large average yield. Rye never looked better. Meadows and pastures are in good condition and the promise is fair for an average crop of hay and abundant pasturage. Fruit prospects are encouraging for all varieties. Soil is mellow and loose and in fine condition for plowing and planting. Stock is healthy and in good condition for the season. There is an increase in the number of cattle compared with same date last season.

WABASH.—Winter wheat is in fair condition but will doubtless soon show the effects of the Hessian fly which are young and present in large numbers in many fields; the prospect at present would indicate nearly an average yield per acre. Rye is up to an average in condition. Meadows are growing rapidly since the seasonable weather and the grass is far enough advanced to predict a large yield. Pastures are generally good where not too heavily stocked late in the season. The bloom promises an unusual crop of all kinds of fruit. Considering the wet muddy or rather soggy weather with so little frost during the past winter the soil works remarkably well and is fresh, loose and lively. Cattle, horses, sheep and hogs are healthy and in good condition for the season. The number on hand is about the same as last season, at this time.

WARREN.—Much of the wheat was killed last winter and the present prospects indicate but little over half an average crop. Rye stood the winter better than wheat and will make nearly an average yield per acre. The condition of meadows only fair, and clover somewhat winter killed. The grass in pastures springing up finely and the growth well advanced for the season. There is a grand prospect for all kinds of fruit. Soil is in excellent condition for plowing and planting and much of the corn ground is plowed and in readiness for planting as soon as warmer; some have finished planting. There is an increase in the number of sheep compared with last season. Farm animals are healthy and doing well.

WASHINGTON.—Winter wheat is heading out, and is in excellent condition, except on the low, flat, wet lands; the pieces of wheat that are extra promising will more than make up for the thin spots, and insure more than an average yield per acre for the county. Meadows are rather short, but promising. Pastures rather backward, on account of cold weather late in spring; the growth of late is rapid. There is a good prospect for all kinds of fruit, except peaches, which will make only a medium crop. The soil is in good condition for spring work, which is well advanced. Farm animals are healthy and doing well, for the season; the number on hand is about the same as last year at corresponding date.

WAYNE.—The prospect is good for an early and abundant wheat harvest. The crop is in much better than an average condition, except low or flat undrained land. Owing to the cold spring, meadows have not made as much growth as usual, but promise a fair crop of hay. Pastures are very short, but making rapid growth since the seasonable weather. There will be a medium crop of apples and a good crop of other kinds of

fruit, judging from present prospects. Soil is in good condition except the low, level undrained lands. Live stock is healthy and in excellent condition for the season. There is an increase in the number of cattle and hogs compared with the spring of 1879.

WHITE.—The mild winter has caused the wheat to tiller extra well and where not overflowed the yield of wheat will be more than the average; some fields are heading out. There are some chinch bugs but not enough to cause alarm. The dry spring has not been favorable to meadows which are not up to a good average in condition; clover is looking much better than timothy and other grasses. Pastures are making rapid growth of late and promise an average crop of grass. Apples will make an average crop; peaches half a crop; small fruit in abundance except plums. Live stock healthy and in good spring condition. The number on hand is somewhat below that of same date of last season.

WHITESIDE.—The open winter, absence of snow and the freezing and thawing in March killed nearly all the winter wheat in the county; the crop seeded on heavy, clay soil looks fairly, while that on loose, black soil, with scarcely an exception, was winter-killed. Winter rye will make nearly an average yield per acre. Timothy and red top meadows in excellent condition; clover meadows badly winter-killed; timothy and blue-grass pastures are up to a good average and the growth of grass well up for the season, where clover formed any part of the sward, the surface is bare. Trees, bushes and vines loaded with bloom; the cold weather will doubtless lessen the matured fruit crop. Soil is in fair condition, except where tramped by stock late in the winter and spring. Farm animals are hardly up to an average in condition; no complaint of disease. The number on hand, excepting hogs, about the same as last season; sheep exceed the number on hand last season at corresponding date.

WILL.—The late-sown winter wheat badly winter-killed; the condition of the crop is improving, and with favorable weather there is a fair prospect for nearly an average yield per acre. Winter rye is up to a good average in condition; not very much sown in the county. Meadows, excepting clover, are in fine condition and the grass growing rapidly; clover was badly winter-killed. Pastures are rather short, but recent warm weather and rains has induced a rapid growth. Fruit prospects are encouraging; very full set of buds, far better than an average; with seasonable weather there will be an abundant crop of all kinds of fruit. Soil is mellow and in good condition for cultivation. Farm animals are healthy and

in thriving condition; the number of horses, cows and hogs on hand is less than last year.

WILLIAMSON.—Winter wheat is not up to an average in condition. The excessive rainfall during the winter and spring drowned out much wheat on level lands and packed the ground closely and the absence of freezing weather to counteract has made the ground close and clamy, and the soil pulverizes poorly when plowed; under these circumstances it will require favorable seasons to make even an average crop of either wheat, oats or corn. Meadows and pastures are in only fair condition. Good prospects for apples, a large portion of the trees are too full to make good fruit. Peach trees have been killed out until few trees remain on which there will be a good crop of very fine peaches; pears nearly all killed and cherries will make light crop. Live stock is in excellent condition; excepting hogs there is a decrease in number of head of stock on hand compared with same date last season.

WINNEBAGO.—Early sown winter wheat is in fair condition, the late sowing badly winter killed, the crop at this time promises nearly two thirds of an average yield. The acreage is much larger than last season. Winter rye has stood the winter well and with good weather, will make an average crop. Most of the clover has been winter killed. Timothy meadows are in a fair condition, the late rains have greatly improved the prospects for hay crop. The open winter and scarcity of feed have induced many to feed their pastures too much, and the grass has been injured by too close cropping and the tramping of stock. Fruit prospects are encouraging, no buds winter killed. Farm animals are in thriving condition, with about the same number on hand as last season at this date.

WOODFORD.—Nearly one-half the winter wheat was froze out and the land has been seeded to other crops. Rye has wintered well considering the season and will make nearly an average yield per acre. Meadows are rather backward, but only need warm seasonable weather to ensure usual growth. Pastures are in good condition but rather short owing to the cold season. The fruit buds indicate a fair crop of fruit; it is rather early to make any prediction as to the probable extent of the fruit crop. The soil is not in good condition owing to the cold rains which makes the ground heavy; there was little freezing last winter to tone up the soil. There is no complaint of disease with live stock, which is in good condition. The number of head of farm animals on hand compares favorably with same date last season.

THE MANUFACTURE OF SUGAR FROM NORTHERN CANE.

The following article on this subject from the pen of George C. W. Belcher, of St. Louis, an expert in sugar-making, will be read with interest by all who are engaged in the growing of amber cane. Mr. Belcher has had extensive experience in refining sugar made from Louisiana cane, and has made careful experiments with syrups and sugars made from northern cane; and is now interested with Mr. Schwartz, of Edwardsville, Ill., in the growing of this cane, on a large scale. It is hoped that the experience of the present year will result in the most gratifying success, and fully confirm the predictions of the more sanguine friends of this new, and to the farmers of Illinois most important industry:

It is always unfortunate to start out in life with a bad reputation; and that is what is handicapping sorghum in its present effort. About twenty years (more or less) ago sorghum cane was introduced into the United States with what might be called the greatest possible expectations. Those expectations were not realized. Almost all who engaged in the business of making sugar from that cane sooner or later found their adventure disastrous. This came about in several ways. In the first place the cane was allowed to deteriorate and hybridize with broom-corn and other plants; secondly, the methods of manufacture were crude and unskillful, and the means employed were inadequate; then, again the enterprise, was in many places, undertaken rashly and with little foresight. It has resulted from all this, that to many of the early advocates and supporters of sorghum sugar, the very name has become an offense and a by-word. To live down this reputation, and to make its own way in the world, is the task assigned to this new sorghum cane,—which, by the way, we consider to be exceedingly distant relatives of the old stock.

Without spending any time upon the history of the Early Amber and its kindred hybrids, we will come directly to the question. "Can we make sugar profitably from Northern cane?" A year ago it was thought that this question was going to be settled beyond doubt by the experiences of 1879. It has not been so settled. The results of the season's work have been to some persons highly satisfactory; to others quite the contrary. Into these differing verdicts so many outside questions enter, that it is impossible to pronounce authoritatively upon them. We wish to be clearly understood on this point. The question of the profitable production of sugar from sorghum cane, is one which, with very many indications in its favor, still remains to be proved. It is not enough that temporary assistance, such as the sale of seed for planting, the retailing of small lots of sugar, as samples and curiosities, etc., should carry the planter's finances successfully through the season. The battle of domestic versus foreign sugars must be fairly fought and won.

The weight of evidence favors the future of the new canes. We took occasion last January in a letter to the Minnesota Amber Cane Growers' Association, to point out the isolated character and unsatisfactory nature of the few chemical analyses recorded during last year's working. Yet, such as they were, those tests agreed in indicating a saccharine strength in the juice of the Early Amber, etc., surpassing the expectation of its friends. It is very unfortunate that those establishments that were best fitted with machinery, either did not make or did not see fit to publish many reports of the analysis of their cane juice. The highest testing samples came from a manufacturer who worked with open fire-pan. Now all who are in any way familiar with the manufacture of sugar know that, deprived of the use of steam, we should be relegated to the earlier stages of its development. It is very probable that the experimental work of the coming season will be in a way conclusive, and that the future of sorghum sugar will be distinctly outlined, and the restrictions peculiar to its nature indicated.

It would be hardly expedient to here enter into any discussion of the details of sugar manufacture and refining. Such matters interest only those who have devoted to them much personal attention. We have considered that the subject given to us was rather a discussion of the importance of the manufacture of sugar from sorghum and its relations to the country in general.

The warmer latitude affords us here far better opportunities than our Minnesota friends enjoy. Their early frosts antedate ours by twenty to twenty-five days. The working season here, by proper distribution of the planting periods, may be stretched to three months or more. The same amount of work can therefore be done with a much smaller outlay in buildings and machinery. As another encouraging feature, we may note that the richest sorghum cane juice recorded in the west in 1879, came from this latitude.

With reference to this whole subject, there is one point to be borne in mind, viz: that whatever the immediate success of sorghum sugar may be, its ultimate success or failure will depend upon its ability to compete with Louisiana sugar. If, after perfecting the culture of sorghum and manufacture of its products, Louisiana sugar can still undersell it in our large western markets, then we will not win those markets. Undoubtedly a larger yield of juice per acre will always be obtained from the southern cane; but against that we may set off to some extent, the greater cost of cultivation and the greater distance from the consuming markets; as to the comparative richness of the juice, we can say nothing. The question can be hardly stated as yet—it is far too early to attempt to answer it. * * * * *

It is a true and liberal policy on the part of the government to seek this end, notwithstanding its attainment may weaken the customs revenue. The benefits that will accrue to the country at large from the retention of the seventy or eighty millions of dollars annually sent abroad for raw sugars, will more than compensate for any forced readjustment of the tariff.

The manufacture of sugar from Northern cane involves in its accomplishment enormous results. For this reason it is necessary that risks should be taken and that sacrifices should be made. The greater the end, the greater the effort to reach. Nothing of equal importance, and with so many favorable features, has been presented to the farmers and manufactures of the western states for many years. It behooves them to let no such opportunity pass through timidity or inertia. Because the complete success of the new industry has not yet been fully demonstrated, is no sufficient reason why the most strenuous and self-sacrificing efforts should not be made to thoroughly establish it.

STATE CONVENTION—SUGAR MAKERS OF ILLINOIS

will meet at the rooms of the Department of Agriculture, Springfield, at 10 o'clock a. m., Thursday, May 27, 1880.

CIRCULAR NO. 66.

ILLINOIS CROP PROSPECTS.

Consolidation of Reports returned to the Department of Agriculture, June 1, 1880.

SEASON.

The season of 1880 has been exceptionably favorable for plowing, planting, and the cultivation of crops, as well as the most satisfactory results attending the breeding and feeding of live stock.

The exceptions in the way of drouth, excessive rains, injury from insects or diseases among farm animals, are unusually rare and confined to narrow limits, and the loss therefrom will be comparatively small in the localities where reported.

The crops are in promising condition with scarcely an exception, and seasonable weather until the hay and grain crops are harvested will ensure crops much above the average both in quality and quantity.

The detailed information concerning the temperature, rainfall, etc., during the past month is given in the meteorological table, published on page 12 of this circular.

CORN.

The importance of the corn crop of Illinois to the general agricultural prosperity of the country is not fully appreciated by the great majority of our farmers and the knowledge of the fact that nearly one-fifth of the corn crop of the United States is grown in Illinois, and that this single crop of the State is of more value than the annual productions of the gold and silver of the nation, should have the effect to enthuse corn-growers sufficiently to ensure in the future more than half the average yield per acre that our rich prairies will produce with proper drainage and thorough cultivation. It is gratifying to note the fact that more thorough preparation of the soil, more care in the selection of good seed, and better cultivation of the growing crops than heretofore are the order of the day with an increased number of our farmers, which can but result in obtaining a more creditable average yield per acre not only of corn but other crops.

The growing crop is generally in a good state of cultivation; the stand is even and the growth is forward for the season; it is especially the case on underdrained land, where the corn is clean and shows a more vigorous growth.

There is less complaint of injury by insects than usual; sod corn has been injured in some counties by cut-worms, and the army-worm has made its appearance in a few localities, but not in sufficient numbers to endanger the crop.

There has been less replanting than usual, owing to the superior quality of the seed used, and except in few localities visited by excessive storms, where the seed did not germinate, or the wet condition of the land has prevented thorough culture, the growing crop is in excellent condition and promises more than an average yield per acre, as will be seen in the table on page 8, giving the crop prospects of the state by counties.

The early approach of the wheat harvest has had the effect to increase the efforts of farmers to have the corn well cultivated and 'laid by' earlier than usual, and the more thorough and constant cultivation the crop has generally received is evinced by the absence of weeds and the rapid growth of corn, which is much in advance of the crop at corresponding date in 1879.

In a few counties the excessive and frequent rains have delayed, and in some isolated cases prevented, the planting of the usual acreage.

A very correct opinion of the prospects of the 1880 corn crop may be formed by the following table, which gives the condition June 1, 1880, of the crop in the counties in the state that produced over five million bushels each in 1879, aggregating nearly one-half the entire corn crop of the state:

Counties.	Yield in 1879, bushels.	1880 acre- age com- pared with 1879.	Condition compared with an average.		
			June 1, 1880	June 1, 1879.	June 1, 1878.
Bureau.....	5,414,076	106	104	86	95
Champaign.....	7,877,485	93	103	90	90
Christian.....	6,454,224	66	118	88	75
Fulton.....	5,620,580	103	95	82	100
Hancock.....	5,986,245	100	108	100	100
Henry.....	6,719,112	105	103	76	80
Iroquois.....	8,034,642	96	80	85	85
Knox.....	6,581,358	106	113	82	100
LaSalle.....	9,042,390	99	103	85	80
Livingston.....	11,325,840	92	91	90	64
Logan.....	6,376,356	97	93	80	90
Macoupin.....	5,327,450	85	103	86	45
McLean.....	12,560,900	97	86	88	95
Mercer.....	5,447,500	106	100	93	70
Montgomery.....	6,421,200	73	108	100	55
Ogle.....	5,050,760	100	101	95	85
Sangamon.....	5,728,968	88	106	86	75
Vermilion.....	6,324,040	93	117	104	82
Warren.....	5,249,160	105	102	100	100
Whiteside.....	5,146,400	112	100	85	82
Total.....	136,688,686				

The acreage and condition, June 1, 1880, of the corn crop in the several counties is as follows:

ACREAGE.

LESS THAN 1879.		SAME OR MORE THAN 1879.	
Number counties.	100 representing the acreage of 1879.	Number counties.	100 representing the acreage of 1879.
26	95	20	100
10	90	26	105
11	85	3	110
3	80	1	115
1	75		
1	70 or less.		
52		50	

CONDITION.

BELOW AN AVERAGE.			AVERAGE OR BETTER.		
Number counties.		100 representing an average condition.	Number counties.		100 representing an average condition.
1879.	1880.		1879.	1880.	
13	12	95	8	30	100
14	6	90	7	31	105
23	4	85	2	7	110
13	2	80	1	7	115
9	2	75			
12	1	70 or less			

WINTER WHEAT.

The condition of winter wheat has seldom been more promising for an early and abundant harvest, and with favorable weather until the crop is secured, Illinois will sustain in 1880 its reputation as the leading state in the production of this cereal. In 1879, 45,041,252 bushels, or 10 per cent. of the entire wheat crop of the United States, was grown in Illinois.

Drilled wheat on drained land has tilled well, and generally covers the ground thickly with a strong growth of straw, supporting the large heads which are filled with a fine sample of plump, heavy wheat.

The past winter and early spring were very unfavorable for winter wheat, especially in the northern portions of the state, where extensive experiments were being made in growing this crop.

Many of the failures are largely attributable to the indifferent preparation of, and the weak condition of the soil, as well as the manner of seeding. The experience of this season will have the effect to induce more wheat growers to adopt the approved methods of farmers who succeed in ordinary seasons in securing remunerative crops of winter wheat in nearly every county in the State.

In the northern counties where the largest percentage of winter-killed wheat is reported, there are many favorable exceptions that promise an average, or better, yield per acre, which is owing largely to the better care in seeding on well-drained land.

The area of winter wheat plowed up this spring is more than made up in the increased acreage over that of the previous season.

There is a comparatively little complaint of injury to wheat on compact clay soils by the freezing and thawing weather.

The frequent rains in some sections has induced a rapid and rank growth of straw at the expense of well filled heads and danger of such wheat lodging is anticipated.

Rust on the wheat blade is reported in a number of counties, but no serious damage as yet has resulted therefrom.

The Hessian fly and other insects have caused less uneasiness than usual this season and their appearance is confined to few localities.

The following table includes all the counties in the State that produced over one million bushels of winter wheat in 1879, the aggregate yield of which represents about one half the crop of the State.

The condition of winter wheat in the counties named may be taken as a fair index of the prospect and extent of the crop of the State for 1880.

Counties.	Yield 1879 bushels.	1880—acre- age com- pared with 1879.	1880—per- cent. acre- age winter- killed.	Condition June 1, com- pared with an average.		
				1880.	1879.	1878.
Adams	1,852,864	110	14	82	109	100
Christian.....	1,266,165	160	5	111	95	80
Clinton.....	1,138,360	120	5	101	90	100
Jersey.....	1,603,675	107	2	108	67	70
Macoupin.....	2,211,956	119	3	116	75	85
Madison.....	2,408,874	120	.....	108	73	95
Monroe.....	1,193,125	123	.....	109	105	.....
Montgomery.....	1,412,298	162	1	109	90	90
Pike.....	1,649,100	118	1	97	90	85
Randolph.....	1,998,634	110	.....	100	92	100
St Clair.....	2,409,181	104	.....	108	94	107
Washington.....	1,154,192	105	5	100	77	85
	20,400,414					

The condition of winter wheat June 1, 1879 and 1880, in the several counties, is as follows:

BELOW AN AVERAGE.			AVERAGE OR BETTER.		
Number counties.		100 representing an average condition.	Number counties.		100 representing an average condition.
1879.	1880.		1879.	1880.	
14	7	95	10	19	100
15	7	90	7	9	105
4	5	85	5	13	110
4	8	80	3	6	115
12	2	75	1		125
12	26	70 or less			

MEADOWS.

The prospects for a fine hay crop are encouraging. The average yield per acre will exceed that of 1879.

The area of meadows is less than last season, but the condition is up to an average or better in half (51) the counties in the state, while at corresponding date in 1879, there was but one county in which the reports gave encouragement for an average yield per acre of hay.

The clover was quite generally winter-killed and the loss of clover hay will somewhat reduce the aggregate hay crop of 1880.

The late general rains throughout the state, and warm seasonable weather, have greatly improved the condition of meadows since last report, and meadows are rapidly recovering from the effects of the cold dry weather which prevailed early in the season in many sections of the state.

The army worm is reported at work in several counties and has done no serious injury except in a few localities.

The following table gives the per centage of increase or decrease in acreage of meadows as compared with the previous year, and the condition of meadows the past three years on the first of June, in ten of the leading hay producing counties in the state, the aggregate crop of which amounted to nearly one-third of the total hay crop of the state in 1879:

County.	Yield 1879, tons.	1880—acre- age com- pared with 1879.	Condition June 1, com- pared with an average.		
			1880.	1879.	1878.
Cook.....	143,869	96	85	75	120
DeKalb.....	119,933	100	97	65	105
Iroquois.....	65,541	95	95	95	104
Kane.....	75,333	99	93	77	107
Kankakee.....	60,403	91	100	85	100
LaSalle.....	102,605	100	92	68	100
McHenry.....	68,362	96	70	57	104
Orle.....	62,815	100	67	60	109
Whiteside.....	73,704	95	90	87	116
Will.....	99,573	101	102	70	107
Total.....	872,113	.....	.....	.....	.....

The following table gives the acreage and condition of meadows June 1, 1880, 100 representing acreage of 1879, also a fair *average* in condition:

ACREAGE.

LESS THAN 1879.		SAME OR MORE THAN IN 1879.	
Number counties.	Per cent.	Number counties.	Per cent.
40	95	32	100
9	90	7	105
7	85	3	110
1	70	1	115
		2	120
57		45	

CONDITION.

BELOW AN AVERAGE.			AVERAGE OR BETTER.		
Number counties.		Per cent.	Number counties.		Per cent.
1879.	1880.		1879.	1880.	
2	27	95	1	23	100
.....	7	90	.....	20	105
8	9	85	.....	6	110
4	4	80	.....	2	115
13	2	75			
74	2	70 or less	1	51	
101	51				

(Continued on page 33.)

FRUIT.

BLOOM AND CONDITION.

Counties.	Ap- ples.	Pea- ches.	Pears	Plums	Cher- ries.	Grap's	Str'w- ber- ries.	Rasp- ber- ries.	Bl'ck- ber- ries.	Go'se- ber- ries.	Cur- rants.
	Av. amount of bloom this spring	Av. condition of crop June 1.....	Av. amount of bloom this spring	Av. condition of crop June 1.....	Av. amount of bloom this spring	Av. condition of crop June 1.....	Av. amount of bloom this spring	Av. condition of crop June 1.....	Av. amount of bloom this spring	Av. condition of crop June 1.....	Av. amount of bloom this spring
Adams.....	105	98	100	98	100	93	107	95	100	96	98
Alexander.....	100	83	83	63	30	100	100	100	100	100	100
Bond.....	102	85	90	101	98	106	103	102	87	96	96
Boone.....	119	111	100	100	100	102	100	93	91	96	95
Brown.....	96	97	96	95	75	100	100	100	96	95	100
Bureau.....	108	105	112	112	100	95	112	112	107	100	107
Calhoun.....	100	75	100	92	100	70	100	100	60	100	100
Carroll.....	115	106	100	100	112	100	111	103	103	103	95
Cass.....	110	101	105	105	100	100	107	87	97	100	100
Champaign.....	112	61	116	185	100	50	108	95	100	100	100
Christian.....	111	105	122	120	110	102	110	97	101	97	102
Clark.....	93	66	98	87	93	55	100	75	100	78	93
Clay.....	111	83	96	78	91	83	112	91	86	58	91
Clinton.....	113	93	80	90	116	93	103	91	106	91	100
Coles.....	103	86	103	103	96	88	100	103	88	103	103
Cook.....	98	97	102	102	75	70	105	103	105	100	103
Crawford.....	98	96	105	100	102	97	95	85	90	95	105
Cumberland.....	113	90	105	100	116	105	112	70	115	94	94
DeKalb.....	116	97	100	65	103	98	108	82	113	89	102
DeWitt.....	105	101	102	105	96	96	100	99	91	100	100
Douglas.....	97	82	96	92	98	92	97	91	98	78	98
DuPage.....	106	100	100	92	90	103	103	107	102	92	90
Edgar.....	102	96	113	111	108	110	108	98	105	103	91
Edwards.....	106	100	101	91	106	90	105	95	105	91	102
Effingham.....	100	82	62	60	105	77	100	105	100	90	100
Fayette.....	101	75	99	80	86	67	95	81	102	74	101
Ford.....	105	70	100	87	87	75	87	70	108	96	104
Franklin.....	103	95	103	95	100	91	103	96	100	80	103
Fulton.....	105	96	105	103	102	100	87	105	93	103	102
Gallatin.....	81	73	63	56	75	60	100	83	75	83	100
Greene.....	101	85	106	120	100	103	100	96	88	101	102
Grundy.....	107	98	100	93	80	115	108	106	103	107	105
Hamilton.....	103	100	101	96	95	90	90	95	100	91	100
Hancock.....	115	94	103	100	102	97	101	87	108	87	104
Hardin.....	100	91	96	52	100	87	95	82	100	90	100
Henderson.....	111	90	136	136	100	103	100	105	108	92	100
Henry.....	105	60	125	125	100	75	103	76	102	82	103
Iroquois.....	112	100	112	112	90	75	100	103	103	93	115
Jackson.....	100	97	101	95	100	98	100	75	93	100	100
Jasper.....	117	82	115	108	108	76	115	85	116	110	118
Jefferson.....	105	95	106	72	100	90	83	68	107	77	103
Jersey.....	101	80	101	90	108	78	103	68	113	78	103
Jo Daviess.....	95	115	100	105	105	101	102	107	117	100	97
Johnson.....	87	87	75	70	100	100	100	50	95	62	87
Kane.....	115	106	105	100	102	100	112	160	109	101	102
Kankakee.....	123	78	110	90	110	75	125	50	111	90	100
Kendall.....	107	103	87	75	103	88	111	103	105	105	113
Knox.....	108	97	113	113	120	100	115	110	111	71	100
Lake.....	105	98	100	100	105	100	100	98	100	100	96
LaSalle.....	115	103	110	105	106	100	105	110	110	107	103
Lawrence.....	110	98	110	100	93	91	95	90	110	100	110

FRUIT—Continued.

BLOOM AND CONDITION.

Counties.	Ap- ples.	Pea- ches.	Pears	Plums	Cher- ries.	Grap- es	Str-w- berries.	Rasp- berries.	Bl'ck- berries.	Go'se- berries.	Cur- rants.
	Av amount of bloom this spring	Av. amount of bloom this spring	Av. condition of crop June 1....	Av. amount of bloom this spring	Av. condition of crop June 1....	Av. amount of bloom this spring	Av. condition of crop June 1....	Av. amount of bloom this spring	Av. condition of crop June 1....	Av. amount of bloom this spring	Av. condition of crop June 1....
ee	120	92	103	83	102	95	112	101	102	83	78
ivingston	101	80	116	111	125	50	114	106	108	110	104
ogan	109	82	106	104	103	70	107	65	100	100	102
acon	120	92	112	106	103	85	100	103	103	102	97
acoupin	111	101	140	138	104	105	100	103	103	102	98
adison	100	93	83	46	100	95	101	95	97	85	110
arion	108	95	125	117	125	87	100	100	96	88	112
arshall	135	101	122	137	90	77	120	105	117	96	110
ason	100	95	103	108	100	83	105	92	100	88	100
assac	103	83	103	75	100	75	93	91	96	100	100
cDonough	100	100	100	95	100	100	100	102	100	102	100
cHenry	115	120	...	95	88	120	115	112	107	97	100
cLean	113	81	104	97	103	83	105	87	102	86	103
enard	102	80	112	104	102	83	100	75	102	76	102
ercer	105	75	105	93	75	62	103	92	100	81	100
onroe	102	84	96	78	97	88	93	98	98	86	102
ontgomery	98	80	115	112	100	100	65	107	93	110	108
organ	112	90	115	112	116	115	108	105	108	108	102
oultrie	106	72	150	123	131	76	100	77	118	88	100
gle	112	85	...	100	100	110	102	115	77	100	103
goria	118	95	108	91	95	77	106	88	106	81	115
erry	100	81	98	81	93	63	100	95	71	100	100
hatt	110	87	108	102	91	75	100	83	102	96	93
'ike	108	93	103	100	97	87	100	96	103	100	100
'ope	111	106	115	95	100	85	107	87	101	96	101
'ulaski	100	81	105	103	97	65	100	100	105	106	113
'urnam	115	96	136	107	95	96	110	86	104	66	103
'andolph	99	102	103	106	97	101	100	96	95	105	106
'ichland	103	100	105	96	100	100	105	100	105	96	100
'tock Island	119	90	117	115	100	100	107	97	107	93	101
'aline	100	100	80	80	90	90	110	100	100	90	100
'angamon	101	87	107	116	103	95	108	105	100	95	101
'chuyler	104	98	112	110	91	96	80	80	102	96	100
'cott	102	85	100	88	97	95	100	100	103	91	102
'helby	113	101	108	108	107	106	105	92	107	95	101
'tark	105	77	100	3	98	73	100	56	100	82	105
't. Clair	100	105	103	108	97	100	101	101	100	100	110
'tephenson	115	111	...	62	62	111	96	106	106	100	100
'azewell	101	80	96	81	105	90	93	87	93	87	102
'nion	100	87	85	75	100	50	100	100	105	75	100
'ermillion	112	97	137	157	100	9	100	95	102	93	95
'wabash	102	85	102	86	100	76	103	83	102	77	100
'arren	105	83	103	100	100	110	100	75	100	100	102
'ashington	102	86	110	97	100	80	103	106	103	81	100
'ayne	92	84	139	135	99	92	106	98	110	90	100
'white	95	83	93	73	100	66	81	70	90	66	101
'Whiteside	105	100	...	90	87	105	80	100	95	100	77
'will	112	107	126	126	100	100	100	107	101	106	106
'Williamson	87	62	97	72	100	50	100	87	100	50	87
'Winnebago	111	97	...	150	25	118	100	121	95	105	100
'Woodford	102	60	100	110	100	95	105	97	108	102	100

FIELD CROPS.

ACREAGE AND CONDITION.

Counties.	Corn.		Broom Corn.		Spring Wheat.		Spring Barley.		Oats.		Flax.		Cotton.		Winter Wheat.	Winter Rye.
	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Average condition of crop June 1...	Average condition of crop June 1...
Adams	103	105	100	100					97	102					82	100
Alexander	100	96							91	100			100	90	105	100
Bond	85	100							85	101					110	110
Boone	107	102	95	100	105	98	90	100	106	102	85	100			85	94
Brown	90	100							96	103					102	100
Bureau	106	104			98	103	100	100	135	107					44	84
Calhoun	100	107							103	103					97	
Carroll	103	106			83	83	103	103	105	96					41	88
Cass	98	101			120	110			100	105					95	96
Champaign	93	103	100	100					100	100	100	100	150		113	100
Christian	66	118	75	100	97	110	100	110	73	110	50	110			111	101
Clark	87	95							98	102	110	80			102	96
Clay	95	100	100	100					100	100	111	100			115	95
Clinton	94	102							105	100					101	100
Coles	91	106	100	100					78	101					110	105
Cook	102	116			104	103			101	110	105	110			50	78
Crawford	91	93	97	95					112	105	100	100			101	100
Cumberland	82	99							105	105	100	95			102	96
DeKalb	104	113			87	101	68	100	99	101	105	105			81	88
DeWitt	90	87	100		95	97			103	95					91	96
Douglas	100	102	96	98	95	105			102	98	95	100			110	105
DuPage	105	100	100	97	103	100			102	96	87	92			70	75
Edgar	87	108							93	103					113	105
Edwards	81	97							97	97					92	100
Effingham	105	100	100	100					105	102					107	102
Fayette	98	105	100	100					102	103					104	100
Ford	97	90			82	89			105	99	103	97			70	80
Franklin	96	105							100	111	90	100			101	85
Fulton	103	95			118	121			118	112					100	105
Gallatin	90	63							70	76					91	100
Greene	97	103							100	106					107	125
Grundy	115	103			100	100			106	106	100	105			50	100
Hamilton	96	96	90	90					93	93	95	100	95	95	101	97
Hancock	100	108			106	101	100	100	110	101					91	95
Hardin	103	100							100	93					95	100
Henderson	103	110			93	91			102	100					60	102
Henry	105	103	105	100	61	96	90	80	107	97					52	92
Iroquois	96	80			100	100			108	100	85	110			61	91
Jackson	85	93							106	108					96	95
Jasper	96	112	100	100					100	108	147	115			116	103
Jefferson	97	100							93	105	100	100			102	100
Jersey	102	105							105	100					108	
Jo Daviess	100	101			87	88			100	92	100	100			82	
Johnson	100	100	100	100					80	75			100	100	80	100
Kane	102	103	100	100	100	101	110	110	101	107	100	100			85	93
Kankakee	90	78	100	100	76	91			103	103	100	87			61	70
Kendall	103	102			93	103	95	100	105	110					91	100
Knox	106	113	90	100	68	95			113	105					70	97
Lake	96	102			98	103	100	100	98	105	101	102			78	91
LaSalle	99	103			97	85	80	80	97	93	90	100			62	87
Lawrence	88	100							85	105	25	100			95	100

FIELD CROPS—Continued.

ACREAGE AND CONDITION.

Counties.	Corn.		Broom Corn.		Spring Wheat.		Spring Barley.		Oats.		Flax.		Cotton.		Winter Wheat.	Winter Rye.
	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...	Acreage compared with that of 1879.	Average condition of crop June 1...
Lee.....	111	107	...	...	96	100	100	95	101	100	...	...	...	...	66	100
Livingston.....	92	91	...	...	100	100	...	...	111	107	...	...	...	...	50	75
Logan.....	93	93	...	...	86	103	...	...	100	106	...	...	...	...	104	101
Macon.....	93	103	100	100	50	100	...	...	94	105	87	102	...	...	109	100
Macoupin.....	85	103	...	...	...	...	...	...	108	98	...	...	...	...	116	100
Madison.....	93	103	...	...	...	...	...	...	87	95	...	...	...	...	108	102
Marion.....	96	100	80	110	110	120	...	...	88	97	112	100	...	...	115	100
Marshall.....	107	116	...	...	76	103	...	...	105	113	...	...	...	...	67	92
Mason.....	91	95	...	...	...	...	...	...	100	103	...	...	...	...	108	100
Massac.....	100	103	...	...	...	...	...	...	103	103	...	...	...	...	86	...
McDonough.....	102	91	100	100	90	100	100	100	107	105	...	...	...	...	82	93
McHenry.....	107	100	...	...	103	100	75	82	107	101	75	96	...	...	63	78
McLean.....	97	86	...	...	82	80	...	...	93	99	...	...	...	...	92	90
Menard.....	95	105	100	100	110	100	...	...	95	105	...	...	...	...	100	102
Mercer.....	106	100	100	80	83	80	100	100	102	100	...	...	...	...	50	100
Monroe.....	99	106	100	100	...	...	100	150	100	103	...	...	...	...	109	105
Montgomery.....	73	108	...	...	...	...	75	100	62	104	...	...	...	...	109	105
Morgan.....	98	113	...	...	...	...	...	...	100	106	...	...	...	...	106	100
Moultrie.....	86	107	100	100	90	100	...	...	5	102	86	105	...	...	108	98
Ogle.....	100	101	...	...	77	102	85	92	100	100	100	100	...	...	70	96
Peoria.....	110	106	...	...	91	96	...	...	106	105	...	...	...	...	75	103
Perry.....	1	93	...	...	...	...	...	...	96	100	200	100	...	...	85	100
Piatt.....	93	93	95	92	100	100	90	95	108	101	95	97	...	...	102	101
Pike.....	87	100	...	...	...	...	...	...	97	106	...	...	...	...	97	100
Pope.....	100	90	100	80	...	...	...	...	95	95	...	...	125	...	98	100
Pulaski.....	100	106	100	100	...	...	...	...	100	100	...	...	...	...	90	87
Putnam.....	102	105	...	...	100	102	...	...	104	106	...	...	...	...	71	103
Randolph.....	105	104	100	100	...	...	100	100	99	103	...	...	...	...	100	100
Richland.....	96	100	90	100	...	...	...	...	92	97	97	100	...	...	98	97
Rock Island.....	103	101	100	100	90	100	87	100	109	101	...	...	...	...	50	98
Saline.....	80	90	100	100	...	...	...	...	100	80	...	...	100	100	100	100
Sangamon.....	88	106	100	105	105	100	...	...	92	103	...	...	...	...	103	108
Schuyler.....	99	103	80	90	120	107	...	...	96	101	...	...	...	...	101	101
Scott.....	91	108	...	...	...	...	...	...	96	100	...	...	...	...	106	100
Shelby.....	87	103	102	98	...	...	...	...	91	111	...	...	...	...	108	93
Stark.....	101	100	97	97	100	81	100	87	100	97	...	...	...	...	62	100
St. Clair.....	100	108	100	105	...	...	...	...	100	115	...	...	...	...	108	105
Stephenson.....	105	95	100	100	72	80	92	88	100	100	92	95	...	...	65	95
Tazewell.....	96	81	...	...	83	90	95	85	97	92	...	...	...	...	100	95
Union.....	100	100	...	...	...	...	...	...	100	100	...	...	...	...	80	...
Vermilion.....	93	117	100	100	...	...	...	...	92	117	130	105	...	...	112	120
Wabash.....	91	86	95	87	...	...	...	...	82	100	...	...	...	...	70	86
Warren.....	105	102	...	...	97	97	...	...	102	102	110	100	...	...	66	86
Washington.....	100	102	100	100	...	...	...	...	97	107	...	...	...	...	100	100
Wayne.....	84	92	100	100	100	100	...	...	88	113	107	110	...	...	101	110
White.....	100	85	100	100	...	...	...	...	95	91	...	...	...	...	98	90
Whiteside.....	112	100	...	...	105	100	90	100	110	100	...	...	...	...	80	100
Will.....	102	107	...	...	101	105	...	...	105	110	100	110	...	...	80	92
Williamson.....	95	100	...	...	...	...	...	...	100	100	...	...	...	...	82	100
Winnebago.....	103	106	...	...	...	88	105	95	98	91	...	...	...	...	83	85
Woodford.....	98	75	100	70	100	105	95	85	100	106	...	...	...	...	50	98

FIELD CROPS—Continued.

ACREAGE AND CONDITION.

Counties.	Tobacco		Castor beans.		Irish potatoes		Sweet potatoes		Mead-ows.		Past-ures.		Sor-ghum.		Winter wheat plowed up.	
	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Average condition of crop June 1....	Average compared with that of 1879.	Per cent. of total acreage plowed up this spring and put in other crops....	
Adams.....					100	102	101	97	93	90	90	92	100	100		14
Alexander.....					93	86	105	87	100	100	100	102	100	95		..
Bond.....					103	103	102	97		86	87	97	92	100	100	5
Boone.....					100	100			96	90	100	97	110	100		13
Brown.....					106	100	95	100	100	105	101	106	95	95		8
Bureau.....					101	102			100	100	103	105	100	101		65
Calhoun.....					95	95	100	105	95	95	102	95	100	100		2
Carroll.....					98	98	110	100	75	76	75	71	25	100		45
Cass.....					105	105	103	100	98	103	98	115	125	100		16
Champaign.....					108	100			100	101	100	101	100	100		7
Christian.....	50	100			105	120	103	100	106	116	98	118	75	102		5
Clark.....	105	100			98	96	100	100	96	95	102	98	98	100		..
Clay.....	100	100			108	103	100	100	95	93	96	90	103	100		..
Clinton.....	100	100	100	100	105	103	101	103	86	83	104	103	93	100		5
Coles.....	70	100			90	106	93	103	86	95	96	96	86	100		5
Cook.....					101	106			96	85	96	87				..
Crawford.....					107	100	101	100	97	101	100	103	105	95		5
Cumberland.....	100	100			100	104	92	88	100	98	98	98	85	86		3
DeKalb.....					96	101			100	97	100	99				80
DeWitt.....					97	100	98	100	99	105	93	104	82	87		17
Douglas.....	95	95	100	100	101	100	100	100	96	100	100	97	100	100		3
DuPage.....					108	101			83	81	96	88	185	100		20
Edgar.....					98	105	101	103	98	105	97	107	88	103		5
Edwards.....	100	100			100	102	110	100	93	95	102	97	100	100		5
Effingham.....					100	100	105	105	100	100	100	100	102	100		..
Fayette.....	98	98			100	104	100	101	109	105	103	101	106	100		..
Ford.....					89	92	90	85	97	98	104	98	100	100		58
Franklin.....	100	110	50	100	106	110	98	100	98	111	98	110	100	100		..
Fulton.....					107	112	100	100	93	110	96	113	105	100		10
Gallatin.....	90	90	90	90	100	100	100	100	95	97	96	102	90	90		..
Greene.....					111	103	100	100	121	98	122	106				5
Grundy.....					101	103	100	100	107	113	106	113	105	100		75
Hamilton.....	87	90	95	100	100	100	92	95	98	100	100	100	105	95		100
Hancock.....					105	100	103	106	92	103	100	107	97	100		29
Hardin.....					97	100	100	100	100	100	100	100	100	100		..
Henderson.....					102	102	100	100	93	93	95	95	100	100		57
Henry.....			100	100	95	100	100	100	97	85	97	87	100	100		80
Iroquois.....	100	100	125	100	100	96	100	100	95	95	103	110	100	100		42
Jackson.....					101	95	100	98	98	97	100	102	83	100		..
Jasper.....	100	100			100	110	100	100	102	96	102	98	102	100		..
Jefferson.....					90	103	100	96	97	102	95	102	100	100		..
Jersey.....					110	101	100	100	120	101	120	103	100	100		2
Jo Daviess.....					100	100			90	81	96	85				18
Johnson.....	75	63			100	100	75	100	100	88	100	100	87	100		..
Kane.....					103	99			99	93	100	99	100	101		1
Kankakee.....					85	83			91	100	100	105	110	100		47
Kendall.....					101	101	102	100	100	111	100	110	105	100		21
Knox.....					105	112	106	106	100	88	102	105	111	105		15
Lake.....					98	100			91	97	97	106				55
LaSalle.....					100	93	100	100	100	92	100	90	112	100		68
Lawrence.....					96	102	100	103	91	95	103	95	100	100		..

FIELD CROPS—Continued.

ACREAGE AND CONDITION.

Counties.	Tobacco	Castor beans.		Irish potatoes		Sweet potatoes		Mead- ows.		Past- ures.		Sor- ghum.		Winter wheat plowed up.	
		Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Average condition of crop June 1....	Per cent. of total acreage plowed up this spring and put in other crops ...	
Lee.....				98	100	100	100	86	90	97	106	100	100		50
Livingston.....				96	97	111	103	110	106	107	117	100	75		75
Logan.....				104	97	103	103	100	103	91	198	110	100		3
Macon.....				101	108	98	101	100	102	100	101	100	101		3
Macoupin.....				112	106	103	106	105	99	101	163	100	100		3
Madison.....				100	98	100	100	93	98	100	101	98	100		
Marion.....	110	110	90	105	107	107	92	107	111	88	100	92	110	125	10
Marshall.....				101	112	100	120	97	110	103	95	125	100		37
Mason.....				100	100	100	100	101	100	100	100	100	100		3
Massac.....	25	100			75	105	105	105	106	103	103	87	105		
McDonough.....				101	100	100	100	93	105	91	108	100	100		36
McHenry.....			100	100	93	99	100	100	96	70	102	99	145	100	26
McLean.....					104	99	100	101	94	104	99	102	100	90	12
Menard.....					106	110	103	104	97	103	95	104	100		4
Mercer.....					106	102	100	100	100	90	97	92	105	95	83
Monroe.....	100	105			101	103	100	102	100	104	102	104	103	100	
Montgomery.....					104	104	100	100	88	110	96	104	100	100	1
Morgan.....					100	110	105	112	93	103	92	103	150	100	12
Moultrie.....					103	103	100	100	95	97	97	97	100	100	
Ogle.....					107	102	100	75	100	87	97	77	100	100	29
Peoria.....					111	116	105	100	116	95	88	102	200	100	12
Perry.....					109	100	100	100	103	96	100	100	100	95	2
Piatt.....					108	96	100	100	98	102	105	105	100	95	3
Pike.....					103	100	103	100	88	86	95	87	100	100	1
Pope.....	78	78			100	95	100	98	96	100	96	101	100	90	
Pulaski.....	100	100			100	100	106	103	103	103	103	106	90	100	
Putnam.....					95	105	101	105	100	104	100	102	120	110	41
Randolph.....	100	100			100	101	102	102	100	94	101	109	102	100	
Richland.....					100	103	96	100	91	96	93	96	100	100	5
Rock Island.....					111	100	100	95	94	85	103	95	100	100	88
Saline.....	80	100			100	100	100	100	90	100	100	100	100	100	
Sangamon.....	100	105			106	100	100	105	93	95	94	106	100	105	3
Schuyler.....					106	108	96	100	97	105	100	105	98	101	9
Scott.....					102	102	100	97	97	105	88	107	100	100	11
Shelby.....	102	94			98	101	103	102	92	101	95	100	88	95	
Stark.....					100	100	97	97	100	95	97	98	98	98	77
St. Clair.....			100	105	105	100	112	112	96	86	96	101	105	105	
Stephenson.....	100	100			100	98	100	100	96	76	85	77	92	95	25
Tazewell.....					108	96	108	88	102	99	100	99	100	100	5
Union.....					50	90	100	100	100	100	100	100	100	100	5
Vermilion.....	90	100	100	100	108	116	108	108	90	107	91	115	100	95	6
Wabash.....					93	102	100	100	96	97	100	102	95	100	3
Warren.....					100	100	100	100	92	81	100	85	100	100	60
Washington.....	100	100			100	102	100	102	100	98	102	105	100	102	5
Wayne.....	100	100	90	95	105	98	103	98	96	103	100	103	96	88	2
White.....					100	100	100	100	103	98	106	111	100	76	
Whiteside.....					100	100	105	100	95	90	100	90	100	100	85
Will.....					97	102	100	100	101	102	98	102	100	100	18
Williamson.....	87	87	50	90	100	100	100	110	90	100	100	100	100	100	
Winnebago.....					100	106	100	100	97	81	97	85	100	100	21
Woodford.....					100	95	100	105	101	111	100	111	90	70	40

SUMMARY of Meteorological Observations for the month of May, 1880, made to the Illinois Department of Agriculture, Springfield, June 1, 1880. Hours for taking Observations: 7 A. M., 2 P. M., 9 P. M.

STATIONS.	THERMOMETER.						BAROMETER.						*WIND.		RAIN AND SNOW.			Relative humidity		Deg.																				
	Highest	Lowest	Mean	Range of	Highest daily mean	Lowest daily mean	Highest	Lowest	Mean	Range of	Highest daily mean	Lowest daily mean	Direct'n.	Max velocity or force—miles per hour.	Days on which rain or snow fell	Total rainfall or melted snow	Depth of snow at close of month	No.	No of days on which cloudiness averaged 0 8 or more..	Deg.																				
NORTHERN DIVISION.																																								
County Post-office.																																								
Winnebago.....	798	32	64	58	76	53													8																					
Durand.....	810	43	65	49	78	56								S. W.	7	3.51			3																					
B. one Belvidere.....	925	41	65	49	77	51								S. SW & E	5	4.66			6																					
McHenry Marengo.....	777	44	65	40	77	49								S. W	10	2.68																								
Kane Elgin.....	777	44	65	40	77	49								S to SW	7	6.43																								
Cook.....	657	37	65	48	76	49								S. W.	4	4.97					65																			
CENTRAL DIVISION.																																								
Stark.....	90	44	66	46	77	57													1																					
Peoria.....	460	43	70	49	82	61													6		64																			
Hancock Augusta.....	681	49	68	38	78	61													12																					
Sangamon.....	640	44	69	42	77	60																																		
Brown Mt. Sterling.....	525	48	70	42	80	62													13		61																			
SOUTHERN DIVISION.																																								
Marion Centralia.....	89	52	70	37	82	63													6																					
Clay.....	500	45	70	45	75	61													12																					
Louisville.....	725	48	71	42	80	61													23																					
Madison Upper Alton.....	86	41	68	45	78	54													4																					
Jasper St. Marie.....	92	50	71	42	82	50													11																					
White.....	92	50	71	42	82	50													4																					
Grayville.....	90	49	72	41	79	58													11																					
Pope.....	90	49	72	41	79	58													4																					
Golconda.....	90	49	72	41	79	58													4																					

*WIND.—Maximum velocity or force is estimated as follows: 1. Very light breeze, varies between 1 and 2 miles per hour. 2. Gentle breeze, varies between 3 and 5 miles per hour. 3. Fresh breeze, varies between 6 and 14 miles per hour. 4. Strong wind, varies between 15 and 29 miles per hour. 5. High wind, varies between 30 and 39 miles per hour. 6. Gale, varies between 40 and 59 miles per hour. 7. Strong gale, varies between 60 and 69 miles per hour. 8. Violent gale, varies between 70 and 79 miles per hour. 9. Hurricane, varies between 80 and 99 miles per hour. 10. Most violent hurricane, varies from 100 upwards.

REMARKS FOR MAY.

DURAND.—C. A. STARR, Observer. Thunderstorms on the 26th, 27th and 29th. Frosts on the 15th and 22d.

BELVIDERE.—G. B. MOSS, Observer. Thunderstorms on the 5th, 9th, 20th, 25th, 29th and 31st. Very slight frost on the 15th. The mean temperature of the month has been exceeded by only one year (1870—65° 23) in 14 years. Mean of 14 years 58° 95, the coldest May being that of 1867 51° 46. Mean temperature of May 7—77° 7, the highest I have ever recorded so early in May. Mean precipitation of 12 Mays, 3.74 inches, 1876 being the wettest, 6.62 inches, and 1870 the driest, one and one-tenth inches. Mean temperature of spring (March 1 to May 31), 48° 99; mean of 14 springs, 45° 35, 1867 being the coldest, 41° 14, and 1878 the warmest, 50° 34.

MARENGO.—JOHN W. JAMES, Observer. Thunderstorms on the 8th, 26th and 31st. Solar halo on the 12th. Polar bands on the 14th. Mean temperature of May, 70° 2 above the average, and 0° 3 above the warmest before recorded here for May in a period of 19 years. The amount of rainfall 0.68 inches less than usual. Mean temperature of spring 30° 5 higher than usual and the total precipitation 1.43 inches less than usual. In 19 years three springs were warmer and eight drier. Mean temperature of April and May, 40° 2 higher than usual, only in 1870 has this period been warmer. Precipitation same time, 0.26 inch less than usual.

ELGIN.—E. L. GIDDINGS, Observer. Thunderstorms on the 8th, 9th, 26th and 31st. Hail on the 8th. Lunar halo on the 29th. Thirteen clear days in May. Precipitation for the month, 0° 59 more than May, 1879.

CHICAGO.—J. MITCHELL, U. S. A., Observer. Greatest velocity of wind, 28 miles per hour. Total movement of the wind for the month, 6.141 miles. Average mean temperature of eight Mays, 59° 1, May 1873, being the warmest, 67° 3, and 1875 the coolest, 55° 5. Average precipitation of eight Mays, 3.831 inches, May 1873, being the wettest, 7.20 inches, and May 1877, the driest, 1.81 inches.

ELMIRA.—O. A. BLANCHARD, Observer. Thunderstorms on the 8th, 9th, 19th, 25th, 27th and 31st. Slight hail on the 9th. Lunar halo on the 20th.

PEORIA.—FRED. BRENDLE, Observer. Thunderstorms on the 8th, 9th, 10th, 19th, 20th, 26th, 27th and 31st.

AUGUSTA.—S. B. MEAD, Observer. Thunderstorms on the 8th, 9th, 10th, 19th, 25th, 26th and 31st. Highest thermometer on the 6th. Grapes and blackberries in bloom on the 20th.

SPRINGFIELD.—T. B. JENNINGS, U. S. A., Observer. Thunderstorms on the 8th, 9th, 10th and 19th. Solar halos on the 10th, 18th, 22d, 26th and 29th. Highest temperature, 86°, on the 7th and 24th, lowest, 44°, on the 1st. Greatest daily range, 28°, on the 16th, and least, 9°, on the 21st. Greatest velocity of wind and direction, 30 miles, from the south. Total movement of wind, 7,358 miles. There were 16 clear and 9 fair days.

MT. STERLING.—WM. W. BOWER, Observer. Thunderstorms on the 8th, 9th, 19th, 26th and 31st. Hail on the 8th.

CENTRALIA.—J. L. HALLAM, Observer. Thunderstorms on the 8th, 10th, 25th, 27th and 29th. The month has been remarkable for health, even temperature and farming interests.

LOUISVILLE.—D. H. CHASE, Observer. Thunderstorms on the 9th, 21st, 27th and 31st. Hail storm on the 9th. Thunderstorms have been accompanied with very high winds and extremely vivid lightning.

UPPER ALTON.—W. LEVERETT, Observer. Light frost on the 1st. Partial rainbow on the 27th at 7:15 p. m.

ST. MARIE.—JAMES PICQUET, Observer. Thunderstorms on the 1st, 10th, 20th, 25th, 26th, 29th and 31st. Hail on the 10th. Light frost on the 1st. Lunar halos on the 17th, 18th, 19th and 24th. The month was remarkable for the number of thunderstorms, heavy rainfall and clear skies.

GRAYVILLE.—J. L. RHINEHART, Observer. Thunderstorms on the 4th, 10th, 25th and 29th. Light frost on the 1st. Heavy rainfall on the 28th and 29th, streams rising and threatening crops on the low lands.

GOLCONDA.—J. E. Y. HANNA, Observer. Thunderstorms on the 9th, 24th, 27th, 29th, and 31st. Hail storms on the 9th and 31st. Light frost on low lands on the 1st. Lunar halos on the 1st and 19th. High wind from west at 4 p. m. on the 20th.

CORRESPONDENT'S REMARKS.

ADAMS.—The corn acreage is larger than last year, and the condition is above an average; the stand is generally good, and the crop has been well cultivated. The heavy rains, on sloping lands, washed out considerable corn, which has been replanted. Excepting the wheat killed during the winter, the crop is improving, and promises over three-fourths of an average yield per acre. Rye is looking well, and the yield per acre will be up to an average. The oat crop promises to be large; the acreage is somewhat below that of last year. The area of meadows and pastures is less than in 1879; the condition, owing to want of rain in April and May, is below an average; grass is now growing rapidly. Irish potatoes promise well; sweet potatoes are nearly up to an average; the area of Irish and sweet potatoes about the same as last year. Sorghum cane looks well, and the acreage is fully as large as last season. Broom corn looks well, with about the same extent of planting as in 1879. Fruit prospects encouraging; there will be about an average crop of apples, peaches, pears, plums, cherries and grapes. A full crop of strawberries, raspberries, blackberries and gooseberries.

ALEXANDER.—The corn acreage is about the same as last season; the condition is nearly up to an average; the growth has been backward, but the crop is now growing rapidly. Winter wheat is much above an average in condition; heads well filled with large plump berry. The oat crop will be less than last year, owing to the limited area sown; the prospects are encouraging for an average yield per acre. Cotton is nearly up to an average in condition; about the same acreage as last year. Rye promises an average crop. Less Irish and more sweet potatoes planted than last year; the potato crop is not up to an average in condition. Meadows and pastures are looking well, and the prospect is good for an average crop of hay and an abundance of pasture. Sorghum cane is nearly up to an average in condition; the area about the same as last season. There will be over three-fourths of an average crop of apples and plums; about two-thirds of a crop of peaches; one-fourth of a crop of pears; an average crop of cherries, grapes, strawberries, blackberries, gooseberries and currants.

BOND.—The corn acreage is not as large as last season; the stand is good and growth satisfactory; with favorable weather the corn will make an average crop; the army-

worm has made its appearance, but as yet has not done much injury. Winter wheat is much above an average in condition and promises to make more than an average crop; the last rain lodged some fields of wheat, where the growth was too rank; the army-worm has trimmed the blades in many fields, but the crop is too near ripe to be seriously injured. Oats are in excellent condition, and promise to make more than an average yield per acre; the area sown is less than last season. Rye is above an average in condition. More Irish and sweet potatoes planted than last year; the yield per acre of Irish potatoes will be larger than usual; sweet potatoes are nearly up to an average in condition. Sorghum cane is in fine condition; the area planted is about the same as in 1879. Meadows not infested with army-worm are in good condition, and promise nearly an average yield of hay per acre; the acreage of meadows and pastures less than last season. There is a good prospect for an average crop of peaches, pears, strawberries, raspberries and gooseberries; there will be more than an average crop of plums, blackberries and currants, and over three-fourths of an average crop of apples.

BOONE.—The corn area exceeds that of the previous year, and the condition is above an average; the stand is good, and the corn fields are free from weeds; the growth is well advanced for the season; there has been but little injury resulting from cut-worms and other insects. Nearly one-sixth of the winter wheat was plowed under, owing to the damage sustained, by the unfavorable weather during the past winter; the crop is much below an average in condition. Spring wheat looks well, and with good season promises to make more than an average yield per acre; the area of the growing crop is less than that of the previous crop. A larger breadth was sown to oats this season than last, and the prospects are encouraging for more than an average yield per acre. Meadows are rapidly improving, and with continued good weather will soon be up to an average in condition; the acreage is somewhat less than last season; much of the clover meadows plowed up. Pastures have improved rapidly since late rains, and are about up to an average; the area is about the same as last year. From present indications, there will be an average crop of apples, plums, cherries, raspberries, gooseberries and currants; grapes, strawberries and raspberries will fall somewhat short of an average; no peaches and pears worth mention.

BROWN.—The condition of corn is up to an average, and the crop is making rapid growth; the area planted is not as large as last season; in some sections there is some complaint of injury from cut worms, and the corn on undrained lands has been at times too wet for cultivation. The prospect is very flattering for more than an average yield per acre of winter wheat; there is some complaint of injury by the fly as well as the hail-storm; the crop would be better if favored with cool, fair weather until harvest. The season has been good for oats, which promise more than an average yield per acre; the area is somewhat less than last season. Meadows and pastures are above an average in condition, and excepting clover, which was winter-killed badly, the hay and grass crop will be large; the acreage is about the same as last season. There is hardly as much sorghum cane planted this spring as last; the condition of the growing crop is nearly up to an average. There were more Irish and less sweet potatoes planted than last year, and the prospect is encouraging for an average yield per acre. Plums, cherries, strawberries, raspberries, blackberries, and currants, promise an average crop; apples, peaches and gooseberries nearly an average and pears three-fourths of an average crop.

BUREAU.—There is an unusually fine stand of corn, which is making rapid growth and is in a good state of cultivation. The area planted this season exceeds that of 1879. Some little damage to early planted corn on newly plowed sod. The acreage of spring wheat is about up to that of 1879; the condition promises an average yield per acre. Over half the fall wheat was winter-killed and the land seeded to other crops. The growing crop does not promise half an average yield per acre. The oat crop looks well and promises more than an average yield per acre. The area is larger than last season. Rye will make over three-fourths of an average yield. Meadows and pastures are in splendid condition. The acreage of meadows about the same as in 1879; pasture area increased. Sorghum cane looks better than usual; the crop covers about the same ground as last season. Spring barley compares favorably in acreage and condition with last season, and an average crop is expected. Irish potatoes look better than usual. The area slightly exceeds that of 1879. There will be an abundance of all kinds of fruit.

CALHOUN.—Corn is much above an average in condition; the stand is good, and the growth has been rapid, owing to favorable weather and good cultivation; the area is about the same as last season. Fall wheat is about up to average in condition; in some localities the chess is taking the wheat so badly that many fields have been plowed up; the army-worm has made its appearance in some sections. The recent rains have improved the condition of oats, which promise more than an average yield per acre; the acreage of oats is about the same as last season. Less Irish potatoes planted than last year; the prospects are only fair; sweet potatoes promise more than an average crop; about the same acreage as last year. Meadows are improving daily, and with favorable weather will soon be up to an average; the acreage is less than last year. Pastures are hardly up to an average in condition; slight increase in acreage. Sorghum cane is looking well; the acreage is fully as

large as last year. There will be about three-fourths of an average crop of apples and pears; less than two-thirds of an average crop of cherries; an average crop of grapes, strawberries, raspberries, blackberries, gooseberries and currants.

CARROLL.—The corn acreage is larger than last season and the crop is much above an average in condition, except on sod corn where the cut worms have damaged the crop. Fall wheat badly winter-killed, and the small acreage not plowed up will not make half an average yield per acre. Less spring wheat sown than last year; the drilled wheat looks much the best; the crop promises to make over three-fourths of an average yield per acre. More barley sown than last year and the condition is above an average. There is an increase in the acreage of oats, which are improving since the rains, and promise nearly an average yield per acre. Large increase in the acreage of sweet potatoes; about the same acreage of Irish potatoes; there will be about an average crop. Clover meadows badly winter-killed; grass, owing to the prevailing dry weather, has not made usual growth, and there is a prospect for a short hay and grass crop. Less sorghum cane planted than last year; condition of cane is promising. The prospect is good for a very large crop of apples, pears, plums, cherries, grapes and blackberries and nearly an average crop of strawberries, raspberries and currants.

CASS.—Corn on high and drained land is above an average in condition; on low and flat land the crop has been injured by the excessive rains. The acreage is less than last year. Wheat that was not injured during the winter is nearly up to an average in condition, and rapidly improving. The heads are long and well filled. There is danger of lodging in some localities. More spring wheat sown than usual. The condition promises more than an average yield per acre. Oats are looking well and will make more than an average yield. The area exceeds that of 1879. Rye is nearly up to an average in condition. More Irish and sweet potatoes planted than last season, and the crop promises more than an average yield per acre. Meadows and pastures are in fine condition, and the hay and grass crop will be heavy. The acreage is nearly as large as last year. There is a large increase in the area planted to sorghum cane and the crop is in a promising condition. The prospect is good for a large crop of apples, peaches, pears, plums, grapes, raspberries, blackberries and currants, and nearly an average crop of cherries, gooseberries and strawberries.

CHAMPAIGN.—Corn is in good condition, except on low, wet, undrained ground, where the rains have made it impossible to cultivate; the acreage is hardly up to that of 1879. Broom corn is looking well, and the area is as large as last season. Oats and flax are in good condition; the breadth devoted to these crops about the same as for previous year. Winter wheat is in splendid condition, and promises to make more than an average yield per acre. Rye will make a good crop. More Irish potatoes planted than last year; the crop is in good condition. Meadows and pastures are in excellent condition, and the hay and grass crop promises to be larger than usual. Sorghum cane is looking well; the acreage is about the same

as in 1879. There will be over half a crop of apples and pears; an unusually large crop of peaches, strawberries and currants, and an average crop of grapes, raspberries and blackberries; nearly an average crop of cherries and gooseberries.

CHRISTIAN.—There is a large decrease in the corn area compared with the previous season; the stand of corn is good and the crop is in a fair state of cultivation; the yield per acre promises to be much above the average. Winter wheat is much above an average in condition and with favorable weather for filling and ripening, will make much the largest crop ever harvested in the county. The frequent rains have induced a rank growth of straw and increased the danger of lodging. Spring wheat area nearly as large as last season; the condition of the crop is promising. The area of broom-corn about one-fourth less than last season; the crop looks promising. Spring barley is looking better than usual; the crop covers about the same extent of territory as last season. There is not over half as much flax sown as last season; the crop is above an average in condition. There is an increase in the acreage of Irish and sweet potatoes; Irish potatoes are much above a good average in condition; the Colorado Potato Beetle, after two years absence, has put in an appearance, but has done no great damage. There is a larger area in meadow than last season, and a slight decrease in pastures; there will be a very large hay and grass crop. Not as much sorghum cane planted as last year; the crop is in fine condition. There will be nearly an average crop of plums, cherries and currants, and a very large crop of all other kinds of fruit.

CLARK.—The stand of corn is good, and the early planting in fine condition. On undrained land the weeds are getting the start of the corn, owing to the long continued rain. Less corn planted than last season. Oats are above an average in condition where not drowned out. The area is nearly as large as last season. More flax sown than usual. The crop has been injured somewhat by the heavy rains, and is not up to a good average in condition. Winter wheat is above an average condition, and the prospects are very flattering for more than an average yield per acre. Crop injured on low lands by floods. Harvest will commence earlier than usual. Rye is looking well. The tobacco crop is looking well, with much larger acreage than last year. Less Irish potatoes planted than last year; about the same area in sweet potatoes. The crop promises to make an average yield per acre. Meadows and pastures are nearly up to an average in condition. Little change in acreage from last season. Sorghum cane is looking well. The area is not as large as last season. Apples promise about two-thirds of a crop. Peaches, plums, cherries, grapes and strawberries over three-fourths of a crop. Raspberries, blackberries and gooseberries nearly an average crop.

CLAY.—Corn is in good condition; owing to the increased acreage of other crops there was not as much corn planted as last year. Broom corn looks well; no increase in acreage over last season. Oats are up to an average in condition; about the same area as in 1879. More flax sown than usual; the crop looks fine. Winter wheat is in splendid condition, and harvest will com-

mence earlier than usual; with no unfavorable condition, the yield will be immense. Rye is nearly up to an average in condition. Tobacco promises to make a full crop. Irish and sweet potatoes are looking well, with an increased acreage of the former over last season. The acreage of meadows and pastures less than last season; the condition is below an average. More sorghum cane planted than usual; the crop is in promising condition. There will be over three-fourths of an average crop of apples, peaches, pears, plums and raspberries; nearly an average crop of grapes, strawberries and currants, and an average crop of blackberries and gooseberries.

CLINTON.—Corn is generally in good state of cultivation and forward in growth for the season, the prospects are encouraging for over an average yield per acre; the area is hardly up to that of the previous year. There is an increase in the acreage of oats; and the crop is in good condition. Winter wheat promises to make an average crop; the late rains have injured the prospects in some localities. Rye is in fine condition. The acreage of tobacco is as large as in 1879, and the crop promises well. Castor beans are in good condition and the planting as large as last season. There is an increase in the acreage of Irish and sweet potatoes and the outlook is favorable for a big crop. The area of meadows is less and pastures more than in 1879; army-worm has injured meadows in some sections; pastures are in fine condition. Less sorghum cane planted than in 1879; the crop promises well. There will be nearly an average crop of apples, peaches, pears, plums, cherries and currants; an average crop of grapes and more than an average crop of strawberries, blackberries, raspberries and gooseberries.

COLES.—The acreage of corn is much less than last season. The stand is good and the weather has been favorable for cultivation. The crop promises to make more than an average yield per acre. Some few fields are very weedy. Broom corn is looking well and the crop will be as large as that of last season. A large decrease in the acreage of oats. The condition is above an average. The prospect has not been more flattering for winter wheat for the past twenty years. With favorable weather until harvest the yield per acre will be much better than an average. Rye promises more than an average crop. Less tobacco planted than in 1879. The crop promises to make an average yield per acre. There were not as many Irish and sweet potatoes planted as in 1879. The yield per acre promises to be more than usual. Meadows and pastures have improved in condition since the last rains, and with good weather will soon be up to an average. The acreage is less than last season. Sorghum cane is looking well. There is considerable decrease in acreage. There will be an average crop of plums and strawberries; more than an average crop of peaches, grapes, raspberries and blackberries; over three-fourths of a crop of apples, pears, cherries and currants.

COOK.—Corn is above an average in condition, and the acreage slightly exceeds that of last season; the stand is good, and the crop is nearly a week ahead in growth, of ordinary seasons. More spring wheat sown than usual, and the condition is above an average. Fall wheat badly winter-killed; the

crop does not promise more than half an average yield per acre. Oats are in fine condition, and the area is greater than last season. Flax is in promising condition, and more sown than last season. Rye was injured during the past winter, and not over three-fourths of an average yield per acre expected. The Irish potato crop promises to be much larger than usual. Acreage of meadows and pastures less than last season; growth rather backward; grass has made rapid growth since late rains. There will be nearly an average crop of apples, raspberries and currants; more than an average crop of peaches, plums, cherries, strawberries and blackberries; an average crop of grapes and gooseberries.

CRAWFORD.—Corn is not up to an average in condition and the area planted is much less than last season; the excessive rains have prevented thorough culture, except on well-drained land and the weeds are taking the lead; the army-worm has made its appearance in some sections and has injured the corn prospects; sod corn has been damaged by cut-worms. Less broom corn planted than in 1879; the condition is somewhat below an average. More oats sown than usual and the prospects are flattering for more than an average yield per acre. The usual acreage sown to flax; the condition is favorable. Winter wheat looks remarkably well and with favorable season will make more than an average yield per acre. Rye will make an average crop. More Irish and sweet potatoes planted than last season and the condition promises an average yield per acre. Meadows and pastures are above an average in condition; the acreage of meadows is less than last season; some complaint of army-worm. There is quite an increase in the area planted to sorghum cane over last season and the condition is nearly up to an average. The prospect is good for nearly an average crop of apples, pears, cherries, raspberries, gooseberries and currants; an average crop of peaches and strawberries; more than an average crop of grapes and blackberries.

CUMBERLAND.—The corn area is less than last season, and the condition is nearly up to an average; the excessive rains have interfered with good culture, except on well-drained land. More oats sown than usual, and the prospect is good for more than an average yield per acre. Flax is hardly up to an average in condition; the acreage is about the same as last season. The spring rains have greatly improved the condition of wheat, which promises to make more than an average yield per acre; the Heassian fly, the first two weeks in May, made a serious raid on the wheat fields, and would have injured the crop but for the heavy rains which followed. Rye promises to make nearly an average yield per acre. About the usual acreage planted in tobacco; the plant is in good condition. There will be more than an average crop of Irish potatoes; not as many sweet potatoes planted as last season, and the prospects are not good for but little over three-fourths of an average yield per acre. The acreage of meadows and pastures about the same as in 1879; the condition is nearly up to an average. Less sorghum planted than in 1879; the cane is not in good condition. There is a good prospect for an average crop of peaches, strawberries, blackberries and currants, nearly an average crop of apples, cherries, grapes, and more than an

average crop of pears, raspberries and gooseberries.

DEKALB.—More corn planted than last year and the crop is much above an average in condition; the stand is good and the plant looks vigorous and is making rapid growth; the crop is in good state of cultivation. The greater portion of the fall wheat was so badly winter-killed as to make it necessary to plow it up; the growing crop promises to make over three-fourths of an average yield per acre. Rye looks some better than fall wheat. There is less spring wheat than last season; the condition is favorable for an average yield per acre. Spring barley looks well; the area is about one-third less than in 1879. Oats bid fair to make a large crop, stand unusually thick on the ground, with a thrifty, vigorous growth; the area is about the same as for the previous year. Irish potatoes are in fine condition; not as many acres planted as last season. Meadows and pastures have suffered for want of seasonable rains and are hardly up to an average in condition, but are rapidly improving since late copious rains; there is no change of importance in the area of grass lands. There will be nearly an average crop of apples, pears, plums and cherries; all other kinds of fruit promise to make a large crop.

DEWITT.—There was less corn planted than last year, and the condition is much below an average, owing to the heavy rains, which prevented proper culture, and gave the weeds the start of the corn. Considerable fall wheat plowed up this spring; the condition of the crop is not up to an average; the stand is uneven in many localities; where the wheat was drilled, on drained land, the crop is in splendid condition. Spring wheat is not up to an average in condition; the acreage is less than last season; the chinch-bugs are very numerous in some localities. More oats sown than last season, and the condition nearly up to an average. There is a slight decrease in the acreage of meadows and pastures; the growth of grass is luxuriant, and the prospect is good for an abundant crop of hay and grass. Rye will make nearly an average yield per acre. Potatoes promise well; the area of Irish and sweet potatoes less than last season. Sorghum cane is not looking as well as usual, and the acreage is not as large as last season. The fruit prospects are good, and from present indications there will be an average crop of apples, plums, grapes, raspberries and currants, and more than an average crop of peaches and blackberries; the crop of pears, strawberries and gooseberries some less than usual.

DOUGLAS.—There is a good stand of corn and the condition better than an average; the area is about the same as last season; there has been rather too much rain to admit of thorough culture. Winter wheat is much above an average in condition and will be ready for harvest earlier than usual; the growth of straw is rank and there is danger of lodging. Spring wheat promises to make more than an average yield per acre; the area is about the same as last season. Oats are looking well; the acreage is larger than last season. Broom corn is looking well and the crop covers about the same area as last season. Flax crop is looking well and the area is almost as large as last

season. Rye promises more than an average yield per acre. Not as much tobacco planted as last year; the crop looks promising. The Irish and sweet potato crops look well and about the same number of acres planted as in 1879. Sorghum cane looks well. There is a slight decrease in the area of meadows; grass is making good growth and there will be an average hay crop and plenty of pasture. There will be over three-fourths of an average crop of apples, cherries, and nearly an average crop of peaches, pears, plums, grapes, strawberries, raspberries and currants; a big crop of blackberries.

DUPAGE.—The acreage of corn is rather larger than last season and the condition gives promise for an average yield per acre. Broom corn is hardly up to an average in condition; the acreage about the same as last season. More spring wheat sown than usual and the crop looks well. Oats are hardly up to an average in condition; the acreage about the same as in 1879. Not as much attention paid to the culture of flax as last season; the crop is not in good condition. There will not be three-fourths of an average yield per acre of winter wheat; much of the crop was winter-killed and plowed up. A large acreage planted with Irish potatoes; the crop promises well. There is a decrease in the acreage of meadows and pastures and the condition is much below an average; the white grub-worm has injured the grass. Nearly twice as many acres planted to sorghum cane as last year and the condition is up to an average. Prospect is good for an average crop of apples, grapes and raspberries; nearly an average crop of pears, cherries, strawberries and over three-fourths of an average crop of gooseberries and currants.

EDGAR.—Corn planting nearly completed; the area is not as large as last season; the stand is good, and the prospect flattering for more than an average yield per acre. Fall wheat is much above an average in condition, and the prospect has seldom, if ever, been more promising for large yield. Rye is above an average in condition. About the same acreage of Irish and sweet potatoes as last season; the condition promises more than an average yield. Less oats sown than usual; the season has been favorable, and the condition is much above an average. Irish and sweet potatoes promise to make an average yield per acre; the acreage of Irish potatoes is some less than last season. Meadows and pastures are much above an average in condition; the acreage is less than last season. Sorghum cane looks very promising; the acreage is less than last season. There will be nearly an average crop of apples, cherries and strawberries; and average crop of currants and gooseberries, and more than an average crop of peaches, pears, plums, grapes, raspberries and blackberries.

EDWARDS.—The large area of winter wheat has crowded out the corn and there will not be as much corn grown by one-fourth as last season; the condition of the crop is nearly up to an average; the heavy rains have interfered with cultivation and washed out considerable corn on rolling land. Fall wheat nearly up to an average in condition; the late sown wheat on corn stubble less promising; in some localities the crop is badly injured with fly. Oats looking

well, the area less than last season; the season has been favorable for this crop. The area of meadows is less than last year and the pastures slightly increased; the condition is promising for an average crop of hay and pasture. Rye is in good condition. The prospect is good for an average crop of Irish and sweet potatoes; the acreage of sweet potatoes exceeds that of the previous year. Tobacco looks well and the condition of the growing crop is favorable for an average yield. About the same area planted to sorghum as last season; the cane looks well. Apples, grapes, strawberries and raspberries promise an average crop; blackberries will make more than an average crop; peaches, pears, plums, cherries, gooseberries and currants will make nearly an average crop.

EFFINGHAM.—More corn planted than last season; the stand is good and the crop is in promising condition; cut worms have injured corn in certain localities; the late heavy rains have interfered with cultivation. Broom corn is in good condition and the area is about the same as last season. Oats are above an average in condition; the acreage exceeds that of 1879. Wheat is much above an average in condition and no serious injury sustained from chinch-bugs and army worms which have recently put in an appearance. Rye promises to make more than an average crop. Irish and sweet potatoes are in fine condition; the acreage of sweet potatoes exceeds that of last season. Meadows and pastures are in fine condition; The area of both about the same as last season. More Sorghum cane planted than usual; the crop is in promising condition. Plums and blackberries promise more than an average crop; grapes, raspberries and currants an average crop. Apples, cherries and strawberries over three-fourths of an average crop; peaches over half an average crop.

FAYETTE.—There is a good stand of corn and the crop shows good growth, and prospects are better than usual for a large yield; not as much corn planted as last year; the heavy rains have interfered somewhat with plowing. Winter wheat is above an average in condition, notwithstanding the injury sustained by the Hessian fly, which has principally confined its ravages to the prairie; the abundant rains have weakened the stalk and stimulated the growth to such an extent as to cause some alarm about lodging. Not much spring wheat or barley raised in the county. The season has been favorable to oats, which have made rapid growth; the condition is above an average, and the acreage slightly increased over last season. Meadows are above an average in condition; the area is larger than last season; there is but little complaint of injury by the army-worm. Pastures, where not over-stocked, are in good condition; the area is about the same as last season. There will be about three-fourths of an average crop of apples, peaches, currants, cherries and plums; grapes, raspberries, blackberries and gooseberries promise about an average crop. The acreage of broom corn, tobacco, Irish and sweet potatoes and sorghum about the same as last season, and the prospect is encouraging for an average crop.

FORD.—Not as much corn planted as last year; owing to the heavy continued rains there has been but little opportunity for

cultivation; the result is that the crop is not in good condition; the stand is good and with favorable weather the crop will improve rapidly. Fall wheat was badly winter killed and a large portion plowed up; the heavy rains have injured the crop and there is little hope of more than three-fourths of an average yield per acre. Less spring wheat was sown than last year; the condition is not encouraging for an average yield per acre. The area seeded to oats is larger than last season and the condition is favorable for an average crop, there are some complaints of chinch-bugs in some localities. More flax sown than last season; the crop looks promising and an average yield expected; Irish and sweet potatoes are not in a good condition owing to want of necessary cultivation, prevented by excessive rains. Sorghum cane is looking well and the area is about the same as in 1879. There will be about three-fourths of a crop of apples, pears and plums, an average crop of raspberries, blackberries and currants, and a large crop of strawberries.

FRANKLIN.—Corn is above an average in condition; the acreage is less than last season. Oats are looking remarkably well, and promise to make as large a crop as last season. Less flax sown than in 1879; the crop is in fine condition. Winter wheat will make about an average yield per acre; the wet season and Hessian fly have reduced the yield somewhat. Rye is improving, and will make nearly an average yield per acre. Flax is up to an average in condition; the acreage is less than in 1879. Tobacco is looking better than usual, and the prospects are encouraging for more than an average crop. The area planted to castor beans is much less than last season. More Irish potatoes planted than last season; the crop is much above an average in condition; sweet potatoes looking well; the area not as large as last season. Meadows and pastures are in excellent condition; the area is less than last season. Sorghum is in good condition, and as large area planted as in 1879. Fruit prospects are encouraging; apples, peaches, pears, plums, cherries and currants promise nearly an average crop; grapes, raspberries, blackberries and gooseberries more than an average crop.

FULTON.—The corn area will be larger than last year; planting not completed, owing to excessive and frequent rains; the crop is not up to a good average in condition; the weeds and grass, in some parts of the county, in corn fields make the prospect rather discouraging. Fall wheat is in good condition; the rains have induced rank growth of straw, and there is some complaint of rust; dry, cool weather is needed to insure well-filled heads. Rye promises to make more than an average yield per acre. The spring wheat crop promises well; the acreage seeded to this crop is much larger than last season. A larger breadth of Irish potatoes planted than last year, and no change in the area of sweet potatoes; Irish potatoes promise more than an average crop. More attention paid to sorghum cane than heretofore; the cane is in good condition; the acreage exceeds that of the previous year. Meadows and pastures look well, and promise more than an average yield per acre of hay and grass; the area of grass land is less than last season. Prospects are encouraging for more

than an average crop of peaches, grapes, strawberries, raspberries and blackberries; an average crop of apples, pears, gooseberries and currants.

GALLATIN.—The excessive rains have interfered with corn planting and the acreage will be less than last season; the condition of the crop is very poor and not over two-thirds of an average crop expected. Oat crop is backward in condition; the area is much less than last season and not over three-fourths of an average yield per acre expected. Winter wheat harvest will commence the first week in June; the wheat on drained land will make an average yield per acre; the crop will be less than last season. Rye promises to make an average yield per acre. The tobacco crop looks well and the area is hardly equal to that of 1879. Castor beans are hardly up to an average in condition; the acreage is less than last season. Irish and sweet potatoes promise an average yield per acre and the area is as large as last season. Meadows and pastures are in fair condition; the acreage is some less than last season. Sorghum is nearly up to an average in condition; there were not as many acres planted as in 1879. Apples, plums, cherries, strawberries and currants promise about three-fourths of an average yield; grapes, raspberries and gooseberries, about an average crop; blackberries, more than an average crop.

GREENE.—There is not as large acreage of corn as last season; the condition is above an average; the stand is fine, and the crop is in good state of cultivation. Fall wheat is much above an average in condition; there is a heavier growth of straw than last year, and the storms have lodged some fields; heads are filling out well, and with favorable weather the yield will be immense. The acreage of oats is about the same as last year; the season has been favorable for this crop, which promises more than an average yield per acre. The rye crop will be very large, judging from present prospects. More Irish potatoes planted than last season; Irish and sweet potatoes promise to make an average yield per acre. There is considerable increase in the area of meadows and pastures; the want of rain early in the spring is the cause of the limited growth in meadows; the late rains have improved the prospects for hay crop. The prospects are flattering for a very large crop of peaches, pears, grapes, strawberries, blackberries and gooseberries; there will be a limited crop of apples, cherries, and about an average crop of raspberries.

GRUNDY.—There is a good stand of corn, and the prospect is encouraging for more than an average yield; the acreage is much larger than last season. The rains have interfered somewhat with cultivation and the weeds have the start of corn in many fields. Most of the fall wheat was winter killed and nearly all the crop was plowed up; the condition of what was left does not promise half an average yield per acre. Spring wheat looks well and covers about the same extent of territory as last season. More oats sown than last season; the crop promises more than an average yield per acre; chintz bugs have made their appearance in some fields of oats. Flax is looking very well and with good season will make more than an average crop; about the same area as 1879. Irish and sweet potatoes are in fine condi-

tion and in extent of area the same as the previous season. There is an increase in the acreage of pastures and meadows; the growth of grass is luxuriant and there will be a large crop of hay and abundance of pasturage. There is an increase over last season in sorghum cane planting; the condition of the crop is favorable. There will be a good yield of plums, cherries and grapes, nearly an average crop of apples, strawberries, raspberries, blackberries and gooseberries.

HAMILTON.—Corn planting was not completed as early as usual, and owing to the heavy rain the crop has not received the necessary culture; the yield and condition is below an average. Not as much broom corn planted as in 1879; the condition is not up to an average. Fall wheat is in promising condition; the late rains have caused some fear of rust. Less area sown to oats than in 1879; the condition is improving, and the yield may approach an average. Flax is in good condition; the area is not as large as in 1879. Not as much cotton planted as usual; the condition promises nearly an average yield per acre. Rye is in good condition. Tobacco prospects are not promising; the crop is not in good condition, and the area is less than usual. Castor beans are in fine condition, and there was nearly as large area planted as in 1879. Irish and sweet potatoes are in good condition; there were not as many acres of sweet potatoes planted as in 1879. The acreage of meadows and pastures same as last season; the hay and grass crop promises well. Sorghum cane in good condition. There will be an average crop of apples, grapes, strawberries, raspberries and currants; nearly an average crop of peaches, pears, plums and cherries, and more than an average crop of raspberries and blackberries.

HANCOCK.—Corn is all planted and doing well; the stand is good, and the prospects are encouraging for a bountiful crop; the rains have prevented culture, and on undrained land the weeds are in the lead; acreage about the same as last year. Nearly all the fall wheat was winter killed, and plowed up; the growing crop is improving, and nearly up to an average in condition. Spring wheat is looking better than usual; the area seeded to this crop is much larger than last season. Barley promises about an average crop; same area as in 1879. Increased acreage of oats, and fine outlook for an average crop. More sweet and Irish potatoes planted than last season; the potato crop looks well. There is a decrease in the area of meadows; no change in pastures; the growth of grass is above an average, and the prospect is good for more hay and grass per acre than usual. Not as much sorghum cane planted as last season; the crop is in promising condition. The prospects are encouraging for an average crop of peaches, raspberries, blackberries and currants; there will be nearly an average crop of apples, pears, and over three-fourths of an average crop of plums and cherries; there is some complaint of blight on the Jannetting and some other kinds of trees.

HARDIN.—More corn planted than usual and the crop promises to make an average yield per acre. The late rains have interfered somewhat with good culture. Fall wheat is looking well and promises to make nearly an average yield per acre. There is but little

complaint of rust. Oats are hardly up to an average in condition. The area is fully as large as last year. Rye is up to an average in condition. About as many acres of Irish and sweet potatoes planted as last season, and the prospect is encouraging for a good crop. Meadows and pastures are in fine condition and the hay and grass crop promises to be large. Sorghum cane is looking well and the crop is as large as last season. There will be nearly an average crop of apples and cherries; an average crop of grapes, strawberries, raspberries, blackberries, gooseberries and currants.

HENDERSON.—There is an excellent stand of corn and the acreage is larger than last season, promising more than an average yield per acre. Spring wheat is not up to an average in condition and the area is less than last season. The chinch bugs have injured the crop in some localities. Most of the fall wheat was winter killed and the land seeded to other crops. The crop will not make two-thirds of an average yield per acre. Oats are looking well. The area is larger than last season. Rye will make more than an average yield per acre. More Irish potatoes planted than last season. There will be an average yield per acre of Irish and sweet potatoes. The acreage of meadows and pastures not as large as last season. The hay and grass crop will not be as large as last season. Sorghum cane is looking well and the crop will be as large as last season. There will be a very large crop of peaches, pears, plums, raspberries and blackberries; an average crop of grapes and currants, and nearly an average crop of apples and cherries.

HENRY.—Corn acreage is larger than last season, the stand is good and the condition promising for more than an average yield per acre; the late heavy rains have interfered with thorough culture. More broom corn planted than usual; the crop looks well. About two-thirds of the usual acreage sown to spring wheat; the crop is nearly up to an average in condition. Barley will make over three-fourths of an average yield per acre; the area is less than last season. More oats sown than last season; the condition is nearly up to an average. Chinch bugs are present in large numbers. The greater portion of the winter wheat was plowed up, and that remaining will not make over half an average yield per acre. Rye will make nearly an average yield per acre. Castor beans will make as large crop as last season; the crop is in good condition. The potato crop will be large; the area of Irish potatoes is less than last season. There is a slight reduction in the area of meadows and pastures; the growth of grass has been checked by the dry weather and the hay crop will be light. Sorghum cane is not looking very promising; the area about the same as in 1879. There will be over half a crop of apples and cherries, a large crop of peaches, grapes and blackberries, three-fourths of an average crop of pears and plums.

IROQUOIS.—Corn is not all planted, the area will not be as much as last year; the corn is very backward in growth and condition, does not promise more than three-fourths of an average yield per acre. Nearly half the fall wheat has been seriously injured and the prospect is not encouraging for much over half an average yield per acre. Rye promises to make nearly an average yield per acre. Spring wheat acreage is as large as last season and the condition gives promise of an average

yield per acre. More oats sown than in 1879; the condition is up to a good average. Flax crop looks promising for more than an average yield per acre; the area is less than last season. Tobacco crop is in fine condition and the acreage as large as in 1879. More castor beans planted than usual; the crop looks well. About the same area planted to Irish and sweet potatoes as last season; the potato crop will be as large as last season. Meadows are nearly up to an average in condition; the area is less than last season. There is an increase in the area of pastures and the grass crop will be better than usual. The prospects are very encouraging for an abundance of all kinds of fruit.

JACKSON.—The heavy rains have interfered with corn planting and the area will be less than last season; the wet weather has prevented thorough cultivation and the crop is much below an average in condition. Oats promise more than an average yield per acre and the area is much larger than last season. Fall wheat is looking well but will hardly make an average yield per acre; rust on the blades in several localities. Rye will make nearly an average yield. More Irish potatoes planted than in 1879 and about the same of sweet potatoes; the crop will be about up to an average. The acreage of meadows is somewhat less than last season. Pastures about the same. There will be a good crop of hay and an abundance of pastureage. Sorghum cane is looking well; the area is less than that of 1879. There will be nearly an average crop of apples, peaches and pears, three-fourths of an average crop of plums, an average crop of cherries, grapes and raspberries and more than an average crop of strawberries, blackberries and gooseberries.

JASPER.—Corn is two weeks in advance of the 1879 crop at corresponding date; the stand is good and the prospect encouraging for more than an average yield per acre; the acreage is hardly up to that of the previous crop. Broom corn looks well and the area about the same as in 1879. Oats promise to make more than an average yield per acre and fully as large area sown as last season. The flax acreage is much larger than usual and the condition is much above an average. The winter wheat crop promises to be the best for years; the straw is rather short, stands thick on the ground, heads well filled. Rye is above an average in condition. The tobacco crop will be as large as last season and of good quality. The Irish and sweet potato crop looks splendid; fully as large acreage planted as in 1879. The acreage of meadows and pastures is somewhat larger than last season and the hay and grass crop will be good; growth of grass rather backward on account of dry weather; army worms have put in their appearance. Sorghum cane is looking well and the area fully as large as last season. There will be over three-fourths of an average crop of apples, pears and strawberries, an average crop of peaches and more than an average crop of cherries, grapes, raspberries, blackberries and gooseberries.

JEFFERSON.—The stand of corn is good and the condition up to an average. The acreage is not as large as last season, and growth rather backward. The oat crop promises to be very large; the condition is much above an average; the area less than in 1879. The flax crop will be as large as last season. The fall wheat crop will be larger than last season; the heads are well filled and the

stand good; some complaint of Hessian fly and a little rust on the wheat blades. Rye is looking well. The acreage of Irish potatoes is less than last season; an average yield per acre of Irish and sweet potatoes is assured. The area of meadows and pastures is not as large as last season; some complaint of army worm; the prospect is favorable for an average crop of hay and abundance of pastureage. Sorghum cane looks well; the acreage is fully as large as last season. There will be nearly an average crop of apples, pears and currants, three-fourths of an average crop of peaches and cherries, an average crop of gooseberries, and more than an average crop of grapes, strawberries raspberries and blackberries.

JERSEY.—The stand of corn is better than usual and the crop is above an average in condition; the acreage exceeds that of the previous year. The prospects have seldom been more promising for a large yield of wheat than at present; the wheat was injured in some localities by the hail storm the early part of May; harvest will commence the first week in June. More oats sown than last season and the prospect is good for an average yield per acre. The acreage planted to Irish potatoes is larger than last season; Irish and sweet potatoes promise to make an average yield per acre. There is an increase in the acreage of meadows and pastures and the hay and grass crop will be better than an average. Sorghum cane looks well and there was as much planted this spring as last. There will be over three-fourths of an average crop of apples, pears, cherries and grapes, nearly an average crop of peaches, strawberries and gooseberries, and two-thirds of a crop of plums.

JO DAVIESS.—Early planted corn is doing well and the condition is up to an average. Much of the late planted is scarcely up yet, owing to the drouth and unfavorable condition of the soil; late rains have greatly improved the condition of corn; the area is about the same as last season. Less spring wheat sown than usual: the crop is much below an average in condition, owing to the drouth; the heavy flooding rains of April, together with the following four weeks of dry hot weather, have been very unfavorable for wheat plant, the compact, baked condition of the soil increasing the damage of the changeable winter; hardly two-thirds of an average yield per acre expected. Rye promises to make over three-fourths of an average crop. There will be an average crop of Irish potatoes. The acreage of oats is about the same as last season and the condition is nearly up to an average. Meadows and pastures are improving and nearly up to an average in condition; the area of both is less than last season. Nearly all the clover winter killed. The prospects are encouraging for a large crop of apples, pears, plums, cherries, blackberries, gooseberries and currants; nearly an average crop of grapes and over three-fourths of an average crop of strawberries and raspberries.

JOHNSON.—The corn area is about the same as last season, and the crop promises to be large. There is no increase in the acreage of broom corn compared with last season. The crop is doing well. The dry weather after sowing has reduced the prospects for oats, and not over three-fourths of an average crop will be realized. Cotton is looking well, and the acreage is as large

as last season. Winter wheat promises but little over three-fourths of an average yield per acre. The Hessian fly has injured the crop in some localities. Rye will make an average crop. The acreage of tobacco is less than usual, and not over two-thirds of an average yield per acre expected. Not as large an acreage of sweet potatoes as last year. No change in area of Irish potatoes. The yield per acre of potatoes promises to be an average. The area of meadows and pastures about the same as in 1879. The grass crop is much improved since the late rains, but will hardly make an average crop of hay or supply of pasturage. Less sorghum cane planted than last season; the cane is in good condition. There will be over three-fourths of an average crop of apples, strawberries and raspberries; an average crop of pears, blackberries and gooseberries.

KANE.—The growing corn looks very promising; the stand is good and the growth of plant vigorous; the acreage is larger than last season; the late planted in some sections has been injured by cut worm, especially on newly plowed sod; the recent rains have advanced weeds rapidly and prevented cultivation on undrained land. Broom corn is looking well, and there is as much planted as last season. Fall wheat badly winter-killed; the condition of the growing crop is much below an average. Rye will make nearly an average crop. Spring wheat is in a very promising condition; the area about same as last year; the chinch bugs have done but little injury on account of frequent rains. Flax crop will be large as in 1879; the crop is up to an average in condition. More barley sown than usual, and the crop looks splendid. Fears are entertained that many fields of oats will lodge, owing to the heavy growth of straw; the area is some larger than last season. Clover was badly winter-killed; other grasses doing well and promise nearly an average crop of hay and yield of pasturage; the acreage of meadows and pastures about the same as in 1879. Sorghum cane is looking well and fully as many acres planted as last year. Irish potatoes promise an average yield per acre on the increased area. From present indications there will be more than an average crop of apples, cherries and grapes, and about an average crop of peaches, pears, plums, strawberries, raspberries, blackberries, gooseberries and currants.

KANKAKEE.—The continued rains have prevented the planting of the usual corn area and much of the crop has been drowned out on undrained land, owing to the ground having been so badly washed in some localities; the land was replowed for second planting; the condition is much below an average. Broom corn looks nearly as well as usual and the area is about the same as in 1879. Less spring wheat sown than usual and the crop is not looking well; the chinch bugs in some localities threaten to entirely destroy the crop. On well drained lands, especially where drilled, the winter wheat crop looks well; the crop was badly winter-killed and much of it plowed up for other crops; but little more than half an average yield expected. More oats sown than last season; the yield per acre promises to be fully an average; the growth is quite rank and on rich ground the crop is likely to lodge. Flax is not in promising condition; the crop in extent of area compares favorably with that of 1879. There is quite a reduction in the acreage of Irish potatoes and the condition does not promise but little better than three-fourths of an average yield per acre.

More sorghum cane planted than last season; the crop looks well. Meadows and pastures are up to a good average in condition. Fruit prospects good.

KENDALL.—Corn area exceeds that of the previous year, and the condition is above an average; the late heavy rains have interfered with good cultivation, and the weeds on undrained land, are getting start of the corn. The acreage of spring wheat is less than last year; the crop is in excellent condition. Considerable fall wheat winter-killed and the land seeded to other crops; the growing crop is not up to an average in condition. Rye is looking well, and promises an average yield per acre. The acreage of Irish and sweet potatoes exceeds that of 1879, and the potato crop promises to be large. There is no change in the extent of meadows and pastures, and excepting clover, the prospect is good for a large hay crop and abundance of pasturage. Oat crop is in excellent condition, and promises more than an average yield per acre; the area is larger than last season. More sorghum cane planted than usual, and the crop is in promising condition. The apple, plum, cherry and currant crop larger than usual; three-fourths of an average crop of peaches, pears, strawberries and gooseberries, and more than an average crop of plums, cherries, grapes and currants.

KNOX.—There is a good stand of corn, which is in excellent condition and the prospect is very promising for an unusually good yield; the acreage exceeds that of 1879. Less broom-corn planted than usual; the condition is up to an average. Spring wheat is nearly up to an average in condition; the acreage is less than last season. Winter wheat will not make three-fourths of an average yield per acre. The acreage of oats largely exceeds that of the previous year and the crop promises to make more than an average yield per acre; large growth of straw. The Hessian fly has made its appearance in fall and spring wheat as well as oats. Chinch-bugs are numerous in some fields of wheat. Rye looks well and promises to make nearly an average yield per acre. More Irish and sweet potatoes planted than last season and the prospects are flattering for more than an average yield per acre. The area of meadows and pastures exceeds that of the previous year; the hay crop will be limited; the condition of pastures is good. More sorghum planted than last season; the crop is in excellent condition. There will be nearly an average crop of apples and gooseberries; there will be more than an average crop of peaches, plums, raspberries and blackberries; an average crop of pears and grapes.

LAKE.—Corn is looking well; not as much planted as last season. Spring wheat is in excellent condition, and the acreage is nearly as large as in 1879; some fields are infested with chinch-bugs. Barley promises to make an average yield per acre; fully as much sown as last season. Oat crop is in excellent condition; about the same breadth sown as last season. More flax sown than usual, and the crop is in excellent condition. The fall wheat promises but little over three-fourths of an average yield per acre; more than half the fall wheat was winter-killed. Rye is hardly up to an average in condition. Nearly as many acres of

Irish potatoes as last season; the crop is up to an average in condition. There is a decrease in the area of meadows and pastures, as compared with previous year; pastures are in excellent condition; meadows nearly up to an average in condition; clover meadows winter killed; some complaint of worms injuring pastures. There will be nearly an average crop of apples, cherries, strawberries and gooseberries; an average crop of grapes, raspberries and blackberries; more than an average crop of pears and currants.

LASALLE.—About as large an area of corn planted as last season; the stand is good and the crop is in excellent condition. Spring wheat area is nearly up to that of 1879; the condition is not up to an average, and the chinch bugs are foreclosing the mortgage they hold on this crop. About three-fourths of the usual area of barley sowed; the crop will fall short nearly one-fourth in the yield per acre. The chinch bugs are at work on the oats and have reduced the prospect for an average yield per acre; the area is not as great as last season. Flax is up to a good average in condition; the area is not as large as last season. More than one-half of the fall wheat was winter-killed and has been plowed up for other crops; the condition of the growing crop does not give encouragement for more than two-thirds of an average yield per acre. Rye will make over three-fourths of an average yield per acre if not further injured by the Hessian fly. The area of Irish and sweet potatoes is as large as last season; the yield per acre of potatoes will be about up to an average. Very little change in the area of meadows and pastures; grass is growing rapidly and the condition is encouraging for nearly an average crop of hay and grass. There will be an average crop of apples, pears, gooseberries and currants.

LAWRENCE.—Corn is nearly all planted and is up to an average in condition; the acreage will not be as large as last season; the cut-worms have injured the crop in some localities. Oats are looking very well, and more than an average yield per acre expected; the area is less than last season. Very little flax sown; the crop is up to an average in condition. Winter wheat is looking well and promises to make nearly an average yield per acre; the Hessian fly has injured the crop in some localities. Rye will make an average crop. The area of Irish potatoes is less than last season; the condition of Irish and sweet potatoes promises more than an average yield per acre. Clover was badly winter-killed and the area of meadows is less than last season; pasture acreage increased; army-worms have injured the prospects for an average hay and grass crop. Sorghum cane looks well and fully as large area planted as last season. There will be an average crop of apples, peaches, cherries and strawberries; nearly an average crop of pears, plums, raspberries, and more than an average crop of grapes and blackberries.

LEE.—Early planted corn has seldom, if ever, looked more promising at this early date; the stand is good and the growth forward; some complaint of cut-worms on newly plowed sod; the late rains have interfered somewhat with cultivation and the weeds are fast taking possession of some fields of corn. About half the fall wheat was winter-killed

and the growing crop is not in good condition and will not make more than two-thirds of an average yield per acre; not as much spring wheat sown as last year; the crop promises nearly an average yield per acre. Barley is looking well; about the same area as last season. Rye promise to make an average crop. The acreage of Irish and sweet potatoes about the same as last season; prospects encouraging for an average yield per acre. Sorghum cane is looking well and the area is fully up to that of the previous year. The meadow and pasture area is less than last season; clover meadows badly winter-killed; some complaint of cut-worm; meadows are little backward in growth; pastures are furnishing an abundant supply of grass. There will be nearly an average crop of apples, plums, over two-thirds of an average crop of pears and strawberries, and a large crop of cherries, grapes, raspberries, blackberries, gooseberries and currants.

LIVINGSTON.—Corn is not up to an average in condition, and owing to excessive rains, much of the undrained corn land not planted; early-planted corn is making rapid growth, and only needs thorough culture to make an average crop. Nearly three-fourths of the fall wheat was winter-killed, and the land has been plowed up and seeded to other crops; the remaining winter wheat will not make over half an average yield per acre. More oats sown than last year, and the condition is very promising; there is much anxiety about the chinch-bugs, which have been set back by the rains. Flax is looking well; no change in acreage from last season. Less Irish and more sweet potatoes planted than last season; prospect is encouraging for an average crop of potatoes. Meadows and pastures are much above an average in condition; the area of each exceeds that of 1879. Sorghum cane is much below an average in condition; the area of the crop is about the same as last season. Peaches, cherries, grapes, raspberries, blackberries and currants promise more than an average crop, apples over three-fourths of a crop, pears half crop, strawberries and gooseberries nearly an average crop.

LOGAN.—Corn is not up to an average in condition, owing to excessive rains, which have delayed planting and plowing; the corn is not all planted and the area devoted to this crop will not be as large as last season. Winter wheat is in head and promises more than an average yield per acre; the late heavy rains have not been favorable for this crop and fears are entertained that the rank growth may lodge; dry weather will greatly relieve the anxiety of wheat growers, some of whom express fears of rust; harvest promises to be early, before corn is laid by. Not as much spring wheat sown as usual; the condition promises more than an average yield per acre; the chinch-bugs cannot stand the heavy rains. The acreage of oats about the same as last season; condition much better than usual; the growth is rank; some fields drowned out on low, wet land. Meadows are about up to an average in condition and making rapid growth; the area is about the same as last season. Pastures furnish stock an abundance of grass and farm animals are healthy and in splendid condition. The peaches, grapes, strawberries, raspberries, blackberries and currants promise nearly an average crop; apples, pears, plums, cherries about three-fourths of an average. There is an increase in the acre

age of Irish and sweet potatoes and sorghum, and the condition is encouraging.

MACON.—Corn is looking well; the heavy rains on undrained lands has prevented thorough culture, and considerable corn is yet to be planted. Broom corn is looking well and as large breadth of land planted as in 1879. Not as much spring wheat sown as last year; the crop promises to be about an average yield. Winter wheat is in excellent condition and promises to make more than an average yield per acre; the growth of straw is heavy and the heads are large and well filled; some pieces slightly injured with rust. The growth of oats is rank and the prospect good for more than an average yield per acre; the area is not as much as last year. Flax is looking well; not as much sown as in 1879. Rye promises to make an average crop. Irish and sweet potatoes are above an average in condition; more Irish potatoes planted than last season. Meadows and pastures are in fine condition and the prospect is encouraging for more than an average crop of hay. Fully as much sorghum planted as last season and the condition is more promising than usual. There will be nearly an average crop of apples, cherries, gooseberries and currants; and more than an average crop of peaches, grapes and blackberries; three-fourths of an average crop of pears and plums.

MACOUPIN.—There is considerable less corn planted than last year; the stand is good and the corn has been well cultivated; the prospect is encouraging for more than an average yield per acre; on sod land the cut-worms have seriously injured the corn. Winter wheat has seldom promised a better crop at this season; the heads are long and well filled; the late rains have lodged some fields of wheat, and unless there is dry weather until harvest much of the wheat will lodge; the growth is generally rank. There is but little barley and spring wheat growing in the county. Irish and sweet potatoes looking well and the area is larger than last season. Sorghum cane looks well; the acreage is about the same as last season. Meadows are about up to a good average; the acreage is larger than last season; some complaint of army worm, but the late heavy rains have checked their depredations. More oats sown than last year; the growing crop promises to make nearly an average yield. Pastures are furnishing an abundance of grass and stock is doing well. There is no complaint of disease among farm animals. The prospects for all kinds of fruit are very encouraging; the yield of peaches, pears and blackberries will be very large.

MADISON.—The stand of corn is above an average, and the ground in good condition and mostly free from weeds; the corn area is not as large as last season; there is considerable danger apprehended from the ravages of army-worm, which is showing itself in great numbers in some localities; cut and heart-worm have done but little injury to corn. Fall wheat is much above an average in condition, and the straw taller than usual; straw good color and heads are filling well; in some fields the wheat is twisting down, on account of the weakness and unusual length of straw; near Highland the army-worm in great numbers has invaded the wheat fields, and the blades and heads are being devoured. The weather has been favorable for oats, which are nearly up to an average in con-

dition; the acreage is not as large as last season. Rye will make more than an average crop. About the same acreage of Irish and sweet potatoes as last season; the crop is in promising condition. The acreage of meadows is hardly up to that of 1879; meadows and pastures are about up to an average in condition; the army-worm has made its appearance the last few days, in great numbers in some localities, and the outlook is not the best for the hay crop. Nearly as much sorghum planted as last year; the cane is in good condition. There will be nearly half a crop of peaches; about an average crop of apples, pears, plums; over three-fourths of an average crop of cherries; an average crop of raspberries, gooseberries and currants, and a large crop of grapes and blackberries.

MARION.—Corn is in better condition than usual and promises to make a good average crop; the acreage is less than last season. Broom corn is looking very well; not as large area planted as in 1879. More spring wheat sown than usual; the prospects very encouraging for large yield. Less oats sown than usual; the condition promises a fair average yield per acre. A very large acreage sown to flax and the crop is in fine condition. Fall wheat is in head, which are long and well filled and promise much more than an average yield per acre of wheat of an extra quality. Rye will make an average crop. The tobacco crop looks unusually promising and the acreage is much larger than in 1879. Castor beans are above an average in condition; not as many acres planted as heretofore. Irish and sweet potatoes promise more than an average yield per acre; more acres planted to Irish and less to sweet potatoes than last season. Meadows and pastures are not up to an average in condition, but improving rapidly since late rains. Sorghum cane is in very promising condition; the acreage exceeds that of 1879. There will be nearly an average crop of apples, gooseberries and currants; more than an average crop of peaches, grapes, blackberries, strawberries and raspberries.

MARSHALL.—The corn crop has seldom, if ever, been planted with more care, and the plant is much above an average in condition for the season; more corn planted than last season; the stand is not only good, but on drained land the crop is in good state of cultivation; on undrained land the weeds are getting the start owing to the rains which have prevented good culture. Fall wheat badly winter-killed; over one-third of the area was plowed up; the little remaining promises about two-thirds of an average yield per acre; less spring wheat sown than usual; the crop is in very fine condition; some complaint of chinch bugs. Oats are in extra condition and promise more than an average yield per acre; the breadth of oats is larger than last season. More Irish and about the same quantity of sweet potatoes planted as last season; the condition of the potato crop is better than usual. There is an unusually large area of sorghum cane and the crop is in excellent condition. There is a slight increase in the area of pastures; meadows and grass lands are in good condition and promise a large crop. There will be an average crop of apples; more than an average crop of peaches, plums, grapes, strawberries, blackberries and gooseberries; nearly an average crop of cherries, raspberries and currants.

MASON.—Corn is nearly all planted; the rains delayed planting and the usual area will not be planted; corn is nearly up to an average in condition and with good season the yield will be large; the acreage seeded to oats is about the same as last season; the prospects are encouraging for more than an average yield per acre. The prospect is very flattering for an unusually large yield per acre of winter wheat. Rye promises an average crop. Irish and sweet potatoes are in promising condition with about the same area respectively. There is a slight increase in the area of meadows and about the same of pastures as last season; the prospect is good for an average crop of hay and grass. Apples, plums, strawberries, gooseberries and currants promise nearly an average crop; more than an average crop of peaches, grapes and blackberries, and an average crop of raspberries.

MASSAC.—The corn area is about the same as last season; the stand is good and with good weather the yield per acre will be more than an average. More oats sown than last season; the crop promises to be very good. Fall wheat has improved materially of late and gives encouragement for over three-fourths of an average yield per acre. Tobacco is in good condition; the acreage is much less than last season. Irish and sweet potatoes promise more than an average yield per acre; the area of Irish potatoes is much less than last season. There is considerable increase in the area of meadows and pastures, and the condition is much above an average, promising a large hay crop and abundance of pasturage. There will be over three-fourths of an average crop of apples, peaches, pears and strawberries; an average crop of cherries, grapes, raspberries, blackberries, gooseberries and currants; nearly an average crop of plums.

MCDONOUGH.—The corn acreage is larger than last season; the crop is not up to an average in condition, owing to the heavy rains, which have prevented much-needed plowing, except on drained lands, where the crop is doing remarkably well. Broom corn area about the same as last season, and the crop is up to an average in condition. About one-third of the fall wheat was plowed up for other crops; the wheat that was not winter-killed promises to make over three-fourths of an average yield per acre; drilled wheat on drained land will make an average yield; less spring wheat sown than usual; the condition is up to an average, but the chinch-bugs threaten to injure the crop. Barley looks well, and the crop promises to be as large as last season. More oats sown than last season; the condition promises more than an average yield per acre; the wet weather has stimulated a rank growth of straw. Rye is in only fair condition. There will be an average crop of Irish and sweet potatoes; the area about the same as in 1879. Sorghum cane crop looks well, with about the same breadth planted as last year. There will be an average crop of apples, pears, plums; more than an average crop of cherries, grapes, raspberries and blackberries; nearly an average crop of peaches, strawberries and gooseberries, and over three-fourths of a crop of currants.

McHENRY.—Corn is up to an average in condition; the stand is good and the crop is growing finely; the acreage is larger than

last season; more complaint of injury by cut-worm than usual. More spring wheat sown than usual; the crop promises to make an average yield per acre. Barley is not looking well; the acreage is much less than last season. Oats are in fine condition and will make more than an average yield per acre; the area exceeds that of 1879. Not as many acres planted to flax as last season; the crop is improving and with good weather will soon be up to an average in condition. Winter wheat is not in good condition and not over two-thirds of an average yield per acre expected. Rye will make over three-fourths of an average yield per acre. The area planted to castor beans is about the same as last season and the yield promises to be up to an average. Less Irish and about the same area planted with sweet potatoes as last season; the yield of potatoes per acre fully up to an average. Meadows were seriously injured last winter and not more than three-fourths of an average crop expected; the acreage is less than in 1879. Pastures have improved since late rains and are nearly up to an average in condition. There is a very large increase in the area of sorghum cane over 1879 and the crop is in good condition. Prospects are flattering for an abundant crop of fruit.

McLEAN.—Corn-planting has been retarded by the heavy and frequent rains; corn not all planted; the condition of the crop is not up to an average for want of cultivation; the weeds in many fields are ahead of the corn and the ground is too wet to plow. Winter wheat will not make an average crop; in some sections the crop was badly winter-killed; the growing crop, except on well drained land, stands thin on the ground; the growth of straw is very rank and there is danger that the wheat will lodge. Rye will make nearly an average crop. Spring wheat promises but little over three-fourths of an average yield per acre; the area is much less than last season. Oats are hardly up to an average in condition; the acreage is less than last year. There is an increase in the acreage of Irish potatoes; about the same of sweet potatoes; both Irish and sweet potatoes promise to make an average crop. Meadows and pastures are in good condition; grass rather too washey for the rapid growth of stock. Sorghum cane is not up to an average in condition; the area about the same as last season. There will be nearly an average crop of peaches and grapes, over three-fourths of an average crop of apples, pears, plums, cherries, gooseberries and currants and more than an average crop of raspberries and blackberries.

MENARD.—There is a good stand of corn and the crop is looking well; not so large an acreage as last season; the late heavy rains have greatly interfered with corn culture, and the grass and weeds have taken possession of many undrained fields. Broom corn is looking well and the area is about the same as last season. More spring wheat sown than usual; the condition is up to a good average. Winter wheat is in fine condition and promises to make an average yield per acre; rank growth of straw. Rye promises more than an average yield per acre. Less oats sown than last year; the crop looks well and if it does not lodge will make a very large yield. There is an increase in the acreage of Irish and sweet potatoes, and the prospect is encouraging for more than an average yield per acre. The area of meadows and pastures is somewhat reduced from last year; the prospects are very encouraging for a good

hay crop and an abundant supply of grass. Peaches, grapes and blackberries promise to make a large crop; apples, cherries and strawberries about three-fourths of an average crop; raspberries, gooseberries and currants nearly an average crop.

MERCER.—Corn is in splendid condition and the acreage larger than last season; the stand is good and only needs cultivation and seasonable weather to make a very large crop. Broom corn is not looking as well as corn; the acreage is about the same as last season. Less spring wheat sown than usual; the condition does not give encouragement for but little over three-fourths of an average yield per acre; the crop in some localities badly infested with chinch bugs. Oats are looking well; the acreage is some larger than last season. Barley promises to make nearly an average yield per acre; the extent of the crop is about the same as in 1879. Irish and sweet potatoes are in fine condition; more Irish potatoes planted than last season. More sorghum cane planted than usual; the crop is nearly up to an average in condition. Meadows and pastures are rapidly recovering from the effect of the dry weather early in the spring and will soon be up to a good average in condition. There will be about three-fourths of a crop of apples, strawberries and cherries; two-thirds of a crop of pears, and nearly an average crop of peaches, plums, raspberries, gooseberries and currants; an average crop of grapes and blackberries.

MONROE.—Corn is looking well and promises more than an average yield; the rains have been rather more than sufficient and interfered somewhat with cultivation. Winter wheat is much above an average in condition and promises to make a large crop, the army worm has made its appearance in some fields of wheat. Barley prospects very flattering; the area is about the same as last season. Oat crop promises to be better than last year; the area is about the same as in 1879. Meadows and pastures are above an average in condition; the acreage of the latter slightly increased over last season. Sorghum cane is in fine condition; more attention given to this crop than last year. Rye and tobacco are above an average in condition; no increase in the acreage of tobacco. Broom corn promises an average crop. Irish and sweet potatoes look well; there is a slight increase in the acreage of Irish potatoes. Prospects are encouraging for an average crop of grapes, strawberries, raspberries, blackberries, gooseberries and currants and more than three-fourths of an average crop of apples, peaches, pears, and cherries.

MONTGOMERY.—There is a good stand of corn and the yield per acre promises to be more than an average; the acreage is much less than last season. Winter wheat harvest will commence ten days earlier than usual; the condition promises much more than an average yield per acre; the heavy rain and wind storm of May 29th lodged considerable wheat; the growth of straw is heavy. The acreage seeded to oats this season is much less than last year; the growing crop looks fine and promises more than an average yield per acre. Rye is in better than an average condition. There is an increase in the area of Irish potatoes over last season; Irish and sweet potatoes promise to make an average yield per acre. Sorghum cane looks well, with about the same area as last season. The

acreage of meadows is less than last season; the yield promises to be more per acre than an average, and the increased yield will about make up for the decreased acreage. There will be more than an average crop of peaches, grapes and blackberries, and about three-fourths of an average crop of apples, plums, strawberries and currants. The soil for the season is in fine condition for the growth and cultivation of crops.

MORGAN.—Corn never came up better, and the early planting that has been well cultivated promises much more than an average yield per acre; not as much corn planted as last year; the heavy and continued rains of late have seriously interfered with corn plowing, and some fields look green with weeds. Winter wheat promises to make more than an average yield per acre; is heading out well; some fields show very rank growth, and the rust has done but little damage. Excepting the danger of lodging, owing to the rank growth, the prospects could hardly be more promising for a large crop of oats; the acreage is about the same as in 1879. Rye is up to an average in condition. Irish and sweet potatoes promise to make more than an average yield per acre; the area is about the same as last season. There is a very large area planted to sorghum cane, and the condition of the crop is promising. Very little clover in meadows; timothy and other grasses show luxuriant growth; the acreage of meadows and pastures is somewhat less than in 1879. There will be a large crop of peaches, pears, plums, cherries, grapes, strawberries and blackberries; an average crop of raspberries, gooseberries and currants; apples promise nearly an average crop.

MOULTRIE.—Corn is nearly all planted and the acreage is almost as large as last year; the crop is in excellent condition and the prospect is good for more than an average yield per acre. Broom corn is looking well and the crop will be as large as last season. Not as much spring wheat sown as last season; the crop is in fine condition; fall wheat is much above an average in condition and the crop, with good weather for harvesting, will be very large. Rye will make nearly an average crop. There is an increase in the acreage of Irish potatoes and about the same of sweet potatoes as last season; the potato crop is in promising condition. There is a slight decrease in the area of meadows and pastures since last season; the condition is nearly up to an average. Oats promise to make a very large yield on the reduced area. Sorghum cane looking well; the acreage about the same as last season. There will be three-fourths of an average crop of apples, pears, plums, more than an average crop of peaches, grapes, raspberries, blackberries and gooseberries.

OGLE.—Corn planting was finished about the middle of May; the area is as large as last season; the condition is fully up to an average; the late heavy rains have given the weeds the start of the corn on undrained land. A large portion of the fall wheat was winter-killed; the growing wheat is improving, and the prospect is encouraging for nearly three-fourths of an average yield per acre. Less spring wheat sown this year than usual; the crop is in promising condition. Barley is not up to an average in condition, and the acreage is limited. The oat crop will

be as large as last season. Flax is looking well and the crop is fully as promising and large in extent of area as in 1879. Rye is nearly up to an average in condition. The acreage of Irish potatoes is more than last season, and the crop of Irish and sweet potatoes is in promising condition. There has been no reduction in the area of meadows and pastures; since the late rains the condition has materially improved. Sorghum cane is looking well, and fully as much planted as last season. There will be over three-fourths of an average crop of apples and cherries; an average crop of pears, grapes, strawberries, raspberries, blackberries, gooseberries, plums and currants.

PEORIA.—There is a large increase in the acreage of corn which is in excellent condition, the stand is good and the growth forward for the season; on undrained land the corn since the late rains looks grassy but cultivation will improve the crop materially. Spring wheat is nearly up to an average in condition; the area is less than usual. Winter wheat on drained land promises well; a small portion of the crop winter killed; three-fourths of an average yield per acre expected for the county; chinch bugs are present in large numbers. Oat crop is in very promising condition; the acreage is larger than last season and the yield per acre will be more than usual. Rye crop will be heavy. There is a large increase in the area of Irish and sweet potatoes and the prospect is encouraging for an unusually large average yield per acre. More meadow and less pasture land than last season; meadows are nearly up to an average in condition and pastures are affording an abundance of grass. There is much interest manifested in sorghum cane and the area of the growing crop is about double that of the previous season; the crop is in excellent condition. There will be nearly an average crop of apples, peaches and strawberries, an average crop of gooseberries, and more than an average crop of grapes, raspberries, and blackberries; over three-fourths of an average crop of pears, plums and cherries.

PERRY.—Corn is not up to an average in condition, owing to the heavy rains early in May (9th and 10th), which made it necessary in many instances to replant; the corn area is about the same as in 1879. Oats are looking well, and promise an average yield per acre; the crop covers less ground than last season. Flax acreage is much larger than usual, and the crop is in excellent condition. Winter wheat is not in good condition; the Hessian fly has injured the crop seriously in many localities; the yield per acre will be rather more than three-fourths of an average. Irish and sweet potato acreage the same as last season; the crop is in fine condition. A slight increase in the area of meadows; pasture area same as in 1879; the grass crop is nearly up to an average in condition; army-worms have seriously injured meadows in some localities. Sorghum cane looks well; the area about the same as in 1879. There will be over three-fourths of an average crop of apples, peaches, strawberries and currants; an average crop of plums and grapes; more than an average crop of raspberries and blackberries.

PIATT.—The stand of corn is good and the growth has been rapid; much of the corn is very weedy, owing to late storms, which

have interfered with thorough culture; the area is less than last season. Nearly as large area planted with broom-corn as last season; the crop is nearly up to an average and improving. Spring wheat looks well; the area about the same as in 1879. Barley is nearly up to an average; the acreage is less than last season. Oat crop is in excellent condition and the prospect is encouraging on the increased area for more than an average yield per acre. Flax crop looks well and the amount sown compares favorably with that of the previous year. Winter wheat is above an average in condition and the prospects good for a large crop; the growth is very rank in some localities. Rye will make more than an average yield per acre. More Irish potatoes planted than in 1879 and about the same of sweet potatoes; the crop is in promising condition. Meadows and pastures are above an average in condition; the area of meadows is less than last season. Sorghum cane is in fair condition, with about same area as last season. There will be about three-fourths of an average crop of apples, pears and plums, an average crop of peaches, cherries, grapes, strawberries, gooseberries and currants and more than an average crop of raspberries and blackberries.

PIKE.—Corn is up to an average in condition; the stand is good and the crop is in a good state of cultivation; the acreage is less than last season. Fall wheat is looking well and promises to make nearly an average yield per acre; the drouth in the early spring and the heavy rains later has reduced the prospect somewhat; the harvest will be very early. Oat crop will be very large; the condition is much better than usual, and the area about the same as in 1879. Rye is in fine condition and promises well. More Irish and sweet potatoes planted than usual, and the condition promises an average yield per acre. Grass has not made usual growth, and meadows and pastures are hardly up to an average in condition; improving rapidly since late rains; the acreage is not as large as last year. Sorghum cane is looking well; fully as much planted as last season. There will be nearly an average crop of apples, plums and raspberries; an average crop of peaches, cherries, grapes and blackberries; more than an average crop of gooseberries.

POPE.—Corn acreage about the same as last season; the crop is backward in growth, owing to the drouth early in May and the excessive rains of late which have prevented thorough culture. Broom corn is much below an average in condition; the area same as in 1879. Oat crop looks promising for nearly an average yield per acre; the area hardly as large as last season. Cotton is much above an average in condition. Considerable complaint of rust on fall wheat; the crop is nearly up to an average in condition, but fears are entertained as to the result of the heavy rain the last of May. Rye is in good condition. The acreage of tobacco is less than usual and the condition is much below an average. Irish and sweet potatoes are nearly up to an average in condition; the area about the same as last season. There is a decrease in the acreage of meadows and pastures; the prospects since late rains are good for an average crop of hay and pasture. Sorghum cane is not up to an average in condition; there were as many acres planted as last season. The prospect is good for more than an average crop of apples, grapes, blackberries and gooseberries; about an average crop of peaches, cherries, straw-

berries and currants; over three-fourths of an average crop of pears and plums.

PULASKI.—Corn is above an average in condition, with fully as large acreage as last season. Broom corn looks well; the area about the same as in 1879. The oat crop promises to be as large as last season, both as to yield and acreage. Winter wheat is not up to an average in condition, owing to the mild winter and excessive rains this spring; a portion of the winter wheat is dying, instead of ripening, and not worth harvesting. Rye will not make much over three-fourths of an average yield per acre. Tobacco crop promises well, and will be fully as large as last season. Irish and sweet potatoes in good condition; the crop of sweet potatoes will be above an average. There is an increase in the acreage of meadows and pastures, and the prospect is good for more than an average yield per acre of hay and grass. Sorghum cane is looking well; the acreage not as large as last season. Apples promise over three-fourths of an average crop; pears about two-thirds of a crop; peaches, grapes, strawberries, raspberries, blackberries, gooseberries and currants more than an average crop.

PUTNAM.—Corn is in promising condition and the stand is good; the continued rains have prevented cultivation and the weeds are in some instances getting the start of the corn; the acreage is somewhat larger than last season. A large proportion of the winter wheat was plowed up; the condition of the growing crop does not promise three-fourths of an average yield per acre. The acreage of spring wheat is about the same as last season; the condition is better than an average. The oat crop is in splendid condition, and if the rank growth does not lodge the yield will be more than an average; the acreage exceeds that of 1879. Meadows and pastures are in fine condition, and, with good season, will make more than an average crop; no change in the number of acres. Clover meadows were too badly damaged to be considered in this estimate. There is an increase since last season in the area of apple, peach, plum and cherry orchards, as well as grapes and blackberries. There is a large increase in the area of sorghum cane, and the crop is much above an average in condition.

RANDOLPH.—Corn acreage is larger than last season and the crop is in excellent condition; the late heavy rains on rolling land washed corn badly. Broom corn is looking well and the area as large as last season. Barley is above an average in condition with the usual acreage. Oats look very well; the crop will be less than last season owing to the reduced acreage. Fall wheat harvest will be early; the crop promises a full average yield per acre; the Hessian fly has not as seriously injured the wheat as supposed last month. Tobacco promises to make an average yield per acre; the planting was as large as in 1879. There will be more than an average yield per acre of Irish and sweet potatoes; the crop covers as much ground as in 1879. No change in extent of acreage of meadows and pastures; army worms are working on the meadows and the yield of hay per acre will be less than last season. Pastures are above an average in condition. Sorghum cane is looking well; more planted than usual. There will be more than an average crop of apples, peaches, pears, grapes,

strawberries, raspberries, blackberries, gooseberries and currants and nearly an average crop of cherries.

RICHLAND.—The area of corn is some less than last season; the crop is up to an average in condition; the late heavy rains have interfered with needed cultivation. Less broom-corn planted than usual; the crop is in good condition. Oats are hardly up to an average in condition; the area is less than last season. Not as large area sown to flax as usual; the crop looks well. Wheat is not up to an average in some localities; the plant did not tiller as well as usual owing to the excessive wet weather in early spring. Rye is nearly up to an average in condition. There will be an average yield per acre of Irish and sweet potatoes; there was not as large area planted to sweet potatoes as in 1879. The acreage of meadows and pastures is less than usual and the growth backward for the season. The sorghum crop promises to be as large as last season. There will be an average crop of apples, pears, plums, grapes, strawberries, raspberries, gooseberries and currants; more than an average crop of blackberries; nearly an average crop of peaches and cherries.

ROCK ISLAND.—More corn planted than last season; the condition promises more than an average yield per acre; some fields are getting weedy since the heavy rains, which have prevented plowing. The acreage and condition of broom corn promises as large a crop as last season. Less spring wheat sown than usual; the condition is favorable for an average yield per acre; the chinch bugs are present in large numbers, but owing to the heavy rains have done but little damage. Barley is up to an average in condition; not as much sown as last season. The oat crop is in excellent condition with larger acreage than usual. Fall wheat nearly all winter-killed, and the ground seeded to other crops; the remaining crop will not make more than half an average yield per acre. Rye will make nearly an average yield per acre. More Irish potatoes planted than last season, and the crop of Irish and sweet potatoes promises to make more than an average yield per acre. There is an increase in the area of meadows and about the same area of pastures as last season; owing to the drouth the hay and grass crop will be small. Sorghum cane is looking well; area about the same as last season. There will be nearly an average crop of apples, plums, cherries, strawberries, gooseberries and currants; more than an average crop of peaches, raspberries and blackberries.

SALINE.—Corn has been damaged, on undrained lands, by the excessive rains, and the want of culture and good weather has reduced the prospects for an average yield per acre; considerable portion of corn acreage has not been planted. Broom corn is looking well, and the area as large as in 1879. Oats are not up to an average in condition, owing to the dry weather in early spring; acreage about the same as last year. Cotton looks well, and the area as large as in 1879. Wheat and rye in fine condition, and promise to make an average yield per acre. Tobacco acreage is less than last season; the crop is in fine condition. There will be a large crop of Irish and sweet potatoes. Meadows and pastures are above an average in condition; acreage of meadows less than last season. Sorghum cane is in good condition, and as large area planted as in 1879. There will be

an average crop of apples, plums, grapes, strawberries, raspberries, blackberries and gooseberries; over three-fourths of an average crop of peaches, pears, cherries.

SANGAMON.—Corn is nearly all planted; the acreage will be less than last season; the crop has generally received good culture and is above an average in condition; the stand is good and there has been less complaint than usual of poor seed and insects; the heavy rains have interfered with culture on undrained lands and the woods in such cases are getting the start of the corn. Broom corn is in excellent condition and the acreage about the same as in 1879. More spring wheat sown than last season; the crop is above an average in condition; winter wheat is in excellent condition; growth of straw rather too rank; but little complaint of rust; the harvest promises to be early and abundant. Tobacco looks well; the area of the crop as large as last season. Oat crop is in promising condition; not as much sown as in 1879. There is an increase in the area of Irish potatoes and about the same area of sweet potatoes as heretofore, the prospect is encouraging for an average yield per acre of potatoes. Not as large area of meadows and pastures as last season; clover meadows badly winter-killed; the yield per acre of hay will not be up to an average; pastures are improving rapidly since late rains and are in better condition than usual. Sorghum cane is in fine condition; the acreage is as large as last season. The hail storm in April reduced the prospects for fruit and there will be but little over three-fourths of an average crop of apples, raspberries, gooseberries and currants; nearly an average crop of pears, cherries, grapes and strawberries; over an average crop of peaches, plums and blackberries.

SCHUYLER.—Corn is all planted and doing well; the acreage about the same as last season; the condition promises more than an average yield per acre. Less broom corn planted than in 1879; the crop is not up to an average in condition. There is a large increase in the acreage of spring wheat, some of which was sown on ground where fall wheat had failed; the crop is in excellent condition. Fall wheat has greatly improved this spring and promises a good average yield per acre; the heads are long and well filled and the ground is well covered. Not as large acreage sown to oats as last season; the condition promises a large yield per acre. Rye looks very well and the crop promises to be large. More Irish potatoes planted than usual; the condition is very promising; sweet potatoes will make an average yield per acre. Meadows and pastures are in excellent condition and promise large yield per acre of hay and pasture; the area of meadows is less than last season; clover generally winter-killed. Sorghum cane is above an average in condition; not as many acres planted as heretofore. There will be nearly an average crop of apples, pears, cherries, gooseberries and currants, an average crop of grapes, strawberries and raspberries, more than an average crop of peaches and blackberries.

SCOTT.—There is an unusually good stand of corn, and the prospect is very encouraging for more than an average yield per acre; the acreage is less than last season; some complaint of cut-worms on sod land; on rolling land considerable corn washed out by the late heavy rains. Fall wheat is much above an average in condition and promises

more than an average yield per acre; heads are long, but not as heavily filled as last year; growth of straw very rank; harvest will commence the middle of June. Oats not extensively raised in the county; the area is less than last season; the crop promises to make an average yield per acre. Rye is up to an average in condition. More Irish potatoes planted than last season; about the same of sweet potatoes; the yield per acre of Irish potatoes will be above an average; sweet potatoes are nearly up to an average in condition. The acreage of meadows and pastures is less than last season; the hay crop will be much above an average yield per acre; the growth of pastures is luxuriant. Sorghum cane is looking well; the area about the same as last year. Apples, peaches and strawberries promise over three-fourths of an average crop; pears, cherries, raspberries and currants nearly an average crop; plums, blackberries and gooseberries an average crop, and grapes more than an average crop.

SHELBY.—There is a good stand of corn which is in excellent condition; the birds and wire worms have injured the crop in some localities causing considerable re-planting. The corn area is less than last season. More broom corn planted than last year; the crop is in good condition. The area of oats is less than last season; there is a splendid prospect for more than an average yield per acre. With favorable weather until harvest the wheat crop will be one of the best ever harvested in the county; the growth is rank and the wheat is in danger of lodging; in some fields there is rust on the blades. The area of tobacco is larger than last season and the crop is nearly up to an average in condition. There will be an average yield per acre of Irish and sweet potatoes; less Irish potatoes planted than in 1879. Meadows and pastures are improving since the rains and promise about an average crop of hay and grass; the area of both is less than last season. Less sorghum planted than last year; the crop is not up to an average in condition. There will be more than an average crop of apples, peaches, pears, strawberries, raspberries, blackberries and gooseberries and nearly an average crop of plums, cherries and currants.

STARK.—Corn has made rapid growth; the stand is good; the acreage larger than last season. Not as much broom corn planted as last season; the condition promises nearly an average crop. Chinch bugs have reduced the prospect for spring wheat and there will be something over three-fourths of an average yield per acre; the area is about the same as last season. The area of barley is the same as last season; the crop gives promise of but little over three-fourths of an average yield per acre. Oat crop will be nearly as large as last season; the area about the same and the condition nearly up to an average. Fall wheat is not in good condition and from present indications will not make two-thirds of an average yield per acre. The condition of rye promises an average yield per acre. The Irish and sweet potato crops are in excellent condition; not quite as large area of sweet potatoes as last season. But little change in the area of meadows and pastures; the condition promises an average yield per acre of hay and an abundance of pasture. Sorghum cane looks well; not as much planted as last year. There will be three-fourths of an average crop of apples, peaches, pears, cherries, strawberries, gooseberries and currants; an

average crop of grapes, raspberries and blackberries.

ST. CLAIR.—Corn acreage is fully as large as last season and the condition is much above an average; the army worm has made its appearance in large numbers and slightly damaged the corn in some localities. Broom corn is above an average in condition; the area as large as in 1879. The acreage of oats is as large as last season, and the crop promises more than average yield per acre. Fall wheat is in excellent condition and promises to make more than an average yield per acre; the Hessian fly has injured the wheat in some localities, and the army worm has stripped the leaves from some fields of wheat. Castor beans are in fine condition and the crop will be larger than last season. More Irish and sweet potatoes planted than for years; the crop is in promising condition. The area of meadows and pastures is less than last season; the army worm has made it necessary to cut some meadows earlier than usual; the hay crop will be less than usual; pastures are in fair condition. More sorghum cane planted than usual; the crop is in splendid condition. The apple, peach, plum, grape, strawberry, raspberry, gooseberry and currant crop will be larger than usual; pears and cherries promise an average crop.

STEPHENSON.—Early planted corn looking well; the late corn injured by the drouth; corn is backward in growth but improving rapidly since late rains; the acreage is as large as last season. Broom corn is up to an average in condition; the area fully up to that of 1879. Not as much spring wheat sown as usual; the crop is not in good condition and but little over three-fourths of an average yield per acre expected. Barley is not up to an average in condition and the acreage is limited. The stand of oats is good and the crop covers as much ground as last season. Flax is nearly up to an average in condition and the area but little below that of 1879. Fall wheat is not looking well and not over two-thirds of an average yield per acre will be realized. Rye is nearly up to an average in condition. As much tobacco planted as last year; the crop is in promising condition. Irish and sweet potatoes are nearly up to an average in condition; the crop will be about as large as last season. Less acreage in meadows and pastures than heretofore; the hay crop will be light and pastures short; the grass has not recovered from the effects of the drouth in early spring. Sorghum cane is nearly up to an average in condition and the acreage about as large as in 1879. There will be more than an average crop of apples, cherries and currants, an average crop of raspberries and blackberries, two-thirds of a crop of pears and nearly an average crop of plums, strawberries and gooseberries.

TAZEWELL.—Corn area is less than last season, owing to excessive rains, which interfered with planting; the condition of the crop does not give encouragement for but little over three-fourths of an average yield per acre. Less spring wheat sown than usual; the yield will be somewhat below an average per acre. Nearly as much barley sown as in 1879; the crop is not in good condition. The oat crop is very rank in growth; not as large area as that of the past season. Fall wheat promises to make an average yield per acre; considerable winter-killed, but as large breadth as usual still standing.

More Irish and sweet potatoes planted than usual; Irish potatoes are in promising condition. The area of meadows and pastures about the same as last season; hay and grass promises well for an average crop. Sorghum cane is looking well and the area as large as last season. The prospect is encouraging for three-fourths of an average crop of apples, peaches, plums, cherries and gooseberries; an average crop of grapes, strawberries and blackberries.

UNION.—The corn acreage is about the same as last year and the condition of the crop is up to a full average. Winter wheat is considerably below an average in condition and will make but little more than half the large yield of last season, being injured by rust and a peculiar black bug; some fields will not be harvested; about 5 per cent. of the crop has been plowed up. The oat crop is promising an average yield per acre, with an area equal to that of 1879. About the same acreage in meadows and pastures as last year, and the hay crop will be up to a full average yield. Only about half the usual acreage planted in Irish potatoes and the condition of the crop is hardly up to an average. The usual acreage in sweet potatoes and the condition a full average. Castor beans give promise of more than an average yield; acreage about the same as last year. Apples more than three-fourths of a crop; peaches and cherries about three-fourths; strawberries were injured in some localities by the late frost, but the crop is above an average; pickers were scarce and some fields were abandoned. Grapes, raspberries, blackberries and gooseberries about an average in condition.

VERMILION.—Corn on tile-drained land has a good stand, is in fine condition and growing well; on low undrained lands the planting is only about three-fourths done on account of too much rain, which has drowned out much that was planted; as a whole the condition of the crop in this county is much above an average, and in some parts of the county is the best prospect had in twenty years; the acreage is slightly less than last year. There is an increased acreage in winter wheat—about one-sixth more than the previous season—and the present condition of the crop gives promise of an abundant yield per acre, or one-eighth more than usual average; in the north part of the county there was a little wheat plowed up. The area planted to oats is slightly less than in 1879, but the condition of this crop is very promising; much above an average. Winter rye is also very fine. Meadows and pastures are above an average in condition; acreage of both a little less than the previous year. An increase in the acreage of Irish potatoes and a large increase in the area sown to flax; these crops are very promising. Nearly all kinds of fruit grown in this county are very promising; apples, pears, plums, cherries and currants are slightly below an average, but peaches promise a very large yield, and there will be a great abundance of strawberries and other small fruits.

WABASH.—Early planted corn came up well and looks fine, but the late planted has been retarded in growth by excessive rains, which has prevented the necessary cultivation and reduced the condition of the crop below the average. Winter wheat has been injured badly by the fly, and in some localities by rust, and has fallen down since headed

out. There are hundreds of acres that will not make over five bushels per acre; only a very little was plowed up and put in other crops. Oats promise an average crop; the acreage of the crops is less than last year. The condition of meadows is nearly up to an average; pastures are above an average in condition. Irish potatoes and sweet potatoes are up to a full average. There is a slight reduction in the area planted in sorghum, but the crop is in a good average condition. Apples promise only about 85 per cent. of an average crop; peaches about the same; grapes and other small fruits about an average prospect; some of the fruit was injured by late frost and there is complaint of the canker worm.

WARREN.—Corn has a good stand; cultivation well started and the crop clean, except on flat undrained lands; the rains of May 22, 26, 29 and 31 have injured the corn on the flat undrained lands, still the crop is above an average in condition. The area in winter wheat was small and fully 60 per cent was plowed up and sowed in spring wheat or planted to corn; the remainder is coming on fairly, but is thin and does not promise more than two-thirds an average crop. Spring wheat looks very promising, but the chinch bugs are becoming quite numerous and in some fields are making fearful inroads; it is hoped the recent rains may check them. The acreage sown to oats is slightly larger than last season and the crop is above an average in condition. Clover meadows badly winter-killed, and the dry weather during the greater part of May caused timothy to head low; for these reasons the yield of meadows will only be about 80 per cent. of an average. Pastures are below an average in condition. Irish potatoes and sorghum are an average in condition. There was more than an average apple bloom, but some varieties have dropped badly and the trees are more than usually affected with blight; more than the usual crop of peaches and pears, with the promise of small fruits in abundance.

WASHINGTON.—Corn generally a good stand, growing well, and except upon flat lands is very clear of weeds; about the same acreage as last year and a little above an average in condition. Winter wheat looks well; the crop will be fully up to last year in both quality and quantity if the weather continues favorable; about five per cent. of the crop was plowed up and put in spring crops. There is about the same acreage in broom corn as last year and the crop is up to a full average in condition. There is a little less area planted to oats than in 1879, but the crop is very promising. Meadows are fair in condition and pastures are above an average. About the usual area planted to Irish and sweet potatoes and both crops are above an average in condition. The same may be said of sorghum. Apples, peaches, pears, cherries and grapes are hardly up to a full average prospect, but these promise fairly, and berries of all kinds will be abundant.

WAYNE.—There is less than the usual acreage put in corn this year and the condition of the crop is not fully up to an average; the crop has a fair stand and is generally free from weeds, except on low lands, where cultivation has been retarded somewhat by too much wet weather. Winter wheat promises an average yield; in some localities there is complaint of damage by the Hessian fly; also some rust on the blades;

not more than two per cent. of the area sown to this crop has been plowed up and sown to spring crops. Less acreage sown to oats this spring than usual and the crop promises more than an average yield per acre. There is an increase in the acreage in flax, which promises fully ten per cent. more than an average yield per acre. The area of meadows is slightly less than in 1879, while pastures are about the same; the condition of both is above an average. Not as much sorghum cultivated as usual and the condition of this crop is below an average. About the usual acreage in broom corn and the crop is up to an average in condition. The apple crop will be below an average. There is complaint that the codling moth has injured the crop in some localities. Peaches and small fruit in great abundance.

WHITE.—The fine weather during April and the first half of May enabled farmers to put their ground in good condition for corn and that planted early is a good stand and clean, while that planted on low flat lands is generally weedy and in bad condition owing to excessive wet weather during the last half of May; there is some re-planting yet to be done. Winter wheat is nearly up to an average in condition and the quality promises to be good where the ground was properly cultivated; the heads are large and well filled; the late sown is injured some by rust. There is not the usual area planted to oats and the condition of this crop is ten per cent. below an average. Winter rye is about an average prospect. Meadows are in fair condition with a slight increase in acreage over the previous year. Pastures are ten per cent. above an average in condition. About the same acreage in Irish and sweet potatoes as last year with a promise of an average yield per acre of these crops. There was not the usual amount of apple bloom this spring and the present condition promises only about four-fifths of an average crop of apples. Peaches about three-fourths of a crop. Blackberries will be very abundant and other small fruits and berries in fair supply.

WHITESIDE.—There is a large increase in the acreage planted in corn, as compared with the previous year, and the condition of the crop is up to an average. There is an excellent stand, and, until recent excessive rains, which has retarded cultivation, was generally clean. Eighty-five per cent. of the area sown in winter wheat has been plowed up and put in oats and spring wheat; the remnant is now doing quite well. There is an increase of 5 per cent. in the acreage usually sown in spring wheat, and the present condition of this crop promises an average yield per acre. There is an increase of 10 per cent. in the area devoted to oats, as compared with 1879, and the crop is up to an average in condition. Meadows are 10 per cent. below an average in condition, on account of the loss of the clover, which was winter-killed. Pastures are not up to an average in condition. Many varieties of apples and pears have dropped badly; the canker-worm has destroyed the apples, in localities; plums have blighted badly; grapes, blackberries and gooseberries will be abundant.

WILL.—Corn never looked better, is earlier than last year, was planted and cultivated early; cut worms worked in that planted on blue grass sod, which had to be replanted; there is a slight increase in acreage as compared with 1879, and the condition of the crop

above an average. Winter wheat is but little grown in this county; about twenty per cent. of the area was plowed up and put in other crops; the present condition of the crop gives promise of about four-fifths of an average yield per acre. Spring wheat looks well and promises more than an average yield; about the same acreage as in 1879. There is an increase in the acreage in oats as compared with last season, and the condition of the crop five per cent. above an average. About the same acreage in flax as last year, which is looking unusually well. Little change from that of last year in the acreage in meadows and pastures, both of which are above an average in condition. Prospects are good for an average crop, or better than an average, of all kinds of large and small fruits.

WILLIAMSON.—There is the usual acreage planted in corn which is a good stand and the prospects are fair for an average crop, notwithstanding it is somewhat weedy on account of excessive wet weather; acreage about 5 per cent. less than last year. There will not be an average yield per acre of winter wheat; straw rather short and thin on the ground, heads short, but the grain is very plump; harvest begins to-day. There is the usual acreage sown to oats and the prospect is good for an average yield. The area cultivated in tobacco is less than usual and the condition of the crop is below an average. Meadows are up to an average in condition; there have been a few army worms but they died before they were full grown. Irish potatoes, sweet potatoes and sorghum give promise of full average crops; acreage of these crops about the same as last year. Pastures are supplying a full average quantity of grass. Apples and cherries are falling off badly. There will not be more than three-fourths an average crop of peaches; grapes, raspberries and gooseberries, will be up to a full average yield, and the crop of blackberries promises to be 15 per cent. above the usual average yield.

WINNEBAGO.—Early planted corn a good stand where not cut by worms; late planted corn that was not put in dry dirt is coming up well; there is no complaint of poor seed;

there is a slightly larger acreage in corn as compared with 1879; the condition of the crop is about 5 per cent. above an average. More than the usual area of winter wheat planted; that sown early on rich clay land makes a good showing; the late sown was a failure and has been plowed up and sown to other crops. About the usual acreage sown in spring wheat, but the condition of the crop is not promising. Thus far the outlook for oats has not been very promising; the recent rains of May 26 and 29 will help them much. Meadow injured by the winter, the drouth, and pasturing; the crop will be more than four-fifths the usual yield per acre. Pastures are short but will be improved by the recent rains; no surplus. Except raspberries and some tender varieties that are injured by winter, the prospect for all kinds of fruit is good; much above an average; the hot, dry weather of May seemed to be just right for the blossoms.

WOODFORD.—Corn is a better stand than last year, but the soil is cold and wet and the growth of the plant is very slow; on account of excessive wet in some localities, the planting is not all done and the present outlook does not promise more than three-fourths of an average crop. Winter wheat was badly winter-killed, and about 40 per cent. of the area put in fall wheat has been plowed up and put in other crops; the prospect has somewhat improved over last month and a half a crop may be realized. Spring wheat looks quite promising at present; there is some apprehension of rust from so much rain; chinch bugs rather abundant, but the cold rains are against them. There is about the usual acreage in oats and the condition of the crop is promising. There is very little change in the acreage of meadows or pastures as compared with 1879; meadows are promising 10 per cent. above an average crop of hay, and pastures are above an average in condition. There will not be two-thirds of an average crop of apples; bloom was abundant but the fruit has dropped badly; an insect of some kind is working on the ends of the limbs, giving the tree the appearance of being scorched by fire. The berry crop will be very large.

(Continued from page 5.)

OATS.

The season has been favorable for the rapid growth of oats, which are more forward than usual at this date. The stand is good and excepting the injury anticipated in a few localities from chinch bugs, the prospect is encouraging for an unusually large crop of oats.

The rank growth of straw in many localities increases the danger of loss by lodging.

As will be seen by the following table the acreage is much larger than last season in sixty-five counties; only five per cent. less in twenty-one counties, leaving but sixteen counties from ten to thirty per cent. less in area than last season.

The condition is an average or better in eight counties; only five per cent. below an average in fifteen counties, leaving but seven counties ten to twenty-five per cent. below an average in condition.

The per centage of increase or decrease in area of nineteen of the counties, each of which produced last season over one million bushels of oats, the aggregate yield of which in 1879 was over one-half the entire oat crop of the state, is given below; also the condition of the crop the last three years on the first of June, which will enable the reader to very nearly approximate as to the extent and prospect of the growing crop:

OATS.

Counties.	Yield in bushels in 1879.	Acreage 1880 compared with 1879.	Condition June 1. compared with an average.		
			1880.	1879.	1878.
Bureau	1,001,628	103	103	86	107
Carroll.....	1,151,472	105	96	62	105
Cook	2,098,156	101	110	105	83
DeKalb.....	2,603,340	99	101	83	110
DuPage.....	1,242,864	102	96	80	100
Hancock.....	1,135,794	110	101	70	100
Iroquois.....	1,028,650	108	100	90	100
Jo Daviess.....	1,258,280	100	92	70	106
Kane.....	1,034,484	101	107	82	105
Knox.....	1,493,720	113	105	64	95
LaSalle.....	1,666,731	97	93	90	95
Livingston.....	1,075,425	111	107	67	90
McHenry.....	1,228,688	107	101	66	100
McLean.....	1,722,384	93	99	63	105
Ogle.....	1,985,340	100	100	55	106
Stephenson.....	1,031,820	100	100	65	100
Whiteside.....	1,167,762	110	100	75	100
Will.....	2,588,200	105	110	85	100
Winnebago.....	1,497,265	98	91	70	105
Total.....	28,012,003				

The following table gives the acreage and condition of meadows June 1, 1880, 100 representing acreage of 1879; also a fair average in condition:

ACREAGE.

Number of counties.	Per cent.	Number of counties.	Per cent.
21	95	33	100
5	90	22	105
5	85	6	110
2	80	3	115
2	75	1	135
2	70 or less.	.....	.....
37		65	

CONDITION.

BELOW AN AVERAGE.			AVERAGE OR BETTER.		
Number of counties.		Per cent.	Number of counties.		Per cent.
1879.	1880.		1879.	1880.	
3	15	95	.....	34	100
5	4	90	.....	33	105
12	.....	85	1	8	110
1	1	80	.....	5	115
8	2	75	1	80	
72	.....	70 or less			
101	22				

WINTER RYE.

This crop is up to an average in condition in thirty-five counties; five per cent. above in eight counties; ten per cent. above in six counties, and twenty per cent. above in one county. Over one half the counties report the condition below an average, as follows: Five per cent. below in ten counties; fifteen per cent. below in nine counties; twenty per cent. below in two counties; twenty-five per cent. below in four counties.

SPRING WHEAT.

ACREAGE.—Thirteen counties report the same acreage as in 1879; seven counties an increase of five per cent.; two counties an increase of ten per cent.; one county an increase of fifteen per cent., and in two counties the area has been increased twenty per cent., showing the same or an increased acreage in twenty-five counties, while the remaining twenty-seven counties reporting spring wheat show a decreased acreage, as follows: Five per cent. less in eight counties; ten per cent. less in five counties; fifteen per cent. less in six counties; twenty per cent. less in two counties; and twenty-five per cent. less in three counties, and a decrease of over twenty-five per cent. in three counties.

CONDITION.

In thirty-four out of the fifty-two counties reporting the condition of spring wheat, the prospect is favorable for an average or better yield per acre. Eighteen of the counties report the condition up to an average—twelve counties two per cent. above; two counties ten per cent. above; two counties twenty per cent. above. In six counties the condition is five per cent. below an average; ten per cent. below in four counties; fifteen per cent. below in four counties, and twenty per cent. below in the remaining four counties.

SPRING BARLEY.

ACREAGE.—The acreage of spring barley is less than last season in the twenty-seven counties reporting the crop.

Ten counties report the same area; two counties an increase of five per cent.; one county an increase of ten per cent.

Five per cent. less acreage than last year in four counties; ten per cent. less in four counties; fifteen per cent. less in two counties; twenty-five or less in one county; and in three counties twenty-five or less per cent.

CONDITION.

The condition promises an average crop in twelve counties; five per cent. more than an average in one county; ten per cent. more in two counties; and fifty per cent. more in one county; the condition is five per cent. below an average in four counties; fifteen per cent. below in five counties; and twenty per cent. below in two counties.

FLAX.

ACREAGE.—There is a slight increase in the acreage of flax as compared with last season, twelve counties report the same acreage as in 1879; there is an increase of five per cent. in four counties; ten per cent. in four counties; thirty per cent. in one county; forty-five per cent. in one county; and two hundred per cent. in one county.

The acreage is below an average in fifteen counties, as follows: Five per cent. in four counties; ten per cent. in three counties; fifteen per cent. in five counties; twenty-five per cent. in one county; and two counties still lower.

CONDITION.

The condition promises an average or better than an average crop in thirty counties, twenty of which promise an average; in four counties the condition is five per cent. above an average; in five counties ten per cent. above; one county fifteen per cent. above; the condition is below an average in eight counties, as follows: Five per cent. below in five counties; ten per cent. below in one county; fifteen per cent. below in one county, and twenty per cent. below in one county.

BROOM CORN.

ACREAGE.—The acreage is the same as last year in thirty-one counties, and two counties report an increase of five per cent.; the acreage is five per cent. less in six counties; ten per cent. less in three counties; twenty per cent. less in two counties and twenty-five per cent. less in one county.

CONDITION.

Thirty counties report a prospect for an average crop; the condition is five per cent. above an average in two counties, and ten per cent. above in one county; in four counties the condition is five per cent. below; in three counties ten per cent. below; in one county fifteen per cent. below; in one county twenty per cent. below; and less than thirty per cent. in one county.

COTTON.

This crop is reported in four counties, three of which report the same area as last season, and five per cent. less in one county.

The condition of the crop is very favorable, one county reporting the condition an average, one twenty-five per cent. above, and one fifty per cent. above an average. In one county the condition is five per cent. below an average.

TOBACCO.

This crop is cultivated to some extent in twenty-nine counties. The acreage is the same as last year in fifteen counties; five per cent. greater in one, and ten per cent. greater in one. The area is five per cent. less in two counties; ten per cent. less in two counties; fifteen per cent. less in two counties; twenty per cent. less in one county; twenty-five per cent. less in one county; and three counties over thirty per cent. less.

CONDITION.

The prospect is favorable for an average crop in seventeen counties—five per cent. more than an average in two counties; and ten per cent. more in two counties. In three counties the condition is five per cent. below an average; in two counties ten per cent. below; one county fifteen per cent. below; one county twenty-five per cent. below, and one thirty per cent. below.

CASTOR BEANS.

Only thirteen counties report this crop, six of which report the same acreage as last season, and one county reporting an increase of twenty-five per cent. In one county the area is five per cent. less than in 1879; three counties ten per cent. less, and two counties more than thirty per cent. less.

The crop is up to an average in condition in eight counties, and five per cent. above an average in two counties; five per cent. below in one county, and ten per cent. below in two counties.

IRISH POTATOES,

There is an increase in the area of this crop as compared with last season. Forty-three counties report the same acreage as in 1879; thirty counties an increase of five per cent., and five counties an increase in acreage of ten per cent. The area is five per cent. less in eighteen counties; ten per cent. less in three counties; fifteen per cent. less in one county; twenty-five per cent. less in one county.

The condition is up to an average in forty-nine counties; five per cent. above an average in twenty-three counties; ten per cent. above in six counties; fifteen per cent. above in three counties, and twenty per cent. above in one county. The condition is five per cent. below an average in sixteen counties; ten per cent. in two counties, and fifteen per cent. below in two counties.

SWEET POTATOES.

The same area as last season is reported in fifty-six counties; five per cent. increase in twenty counties, and ten per cent. increase in four counties.

The area is five per cent. less in eight counties; ten per cent. less in four counties, and twenty-five per cent. less in one county.

The condition promises an unusually large crop. In fifty-four counties the condition is up to an average; five per cent. above in eighteen counties; ten per cent. above in three counties, and twenty per cent. above in one county.

The condition is five per cent. below an average in ten counties; fifteen per cent. below in four counties and twenty-five per cent. below in one county.

PASTURES.

The area of pastures is less than in 1879. Forty-four counties report the same acreage as last season; fourteen counties an increase of five per cent.; two counties an increase of twenty per cent. The area is five per cent. less in thirty-three counties; ten per cent. less in four counties; fifteen per cent. less in three counties, and twenty-five per cent. less in one county.

The condition is up to an average in twenty-nine counties; five per cent. above in twenty-seven counties; ten per cent. above in seven counties, and fifteen per cent. above in six counties.

The condition is five per cent. below an average in nineteen counties; fifteen per cent. below in seven counties; twenty-five per cent. below in two counties, and one county less than thirty per cent. less than an average prospect.

SORGHUM.

Ninety counties report this crop, the acreage of which exceeds that of the previous year. Forty-five counties report the same area as in 1879. There is an increase of five per cent. in nine counties; ten per cent. more in five counties; twenty per cent. more in one county; twenty-five per cent. more in two counties; forty-five per cent. in one; fifty per cent. in one; eighty-five per cent. in one, and two hundred per cent. increase of area in one county.

There is a decrease of five per cent. in ten counties; ten per cent. in four counties; fifteen per cent. in eight counties, and twenty-five per cent. less in one county.

The condition promises an average crop in sixty-five counties; five per cent. more in four counties; ten per cent. in one county, and twenty-five per cent. more than an average crop in one county.

Nine counties report the condition five per cent. below an average; three counties ten per cent. below; three counties fifteen per cent. below; two counties twenty-five per cent. below, and one county thirty per cent. below an average in condition.

FRUIT PROSPECTS.

APPLES.--Twenty-six counties report the same area as last season. There is an increase of five per cent. in twenty-three counties; ten per cent. in nineteen counties; fifteen per cent. increase in fourteen counties; twenty per cent. increase in six counties, and thirty-five per cent. increase in one county. There is five per cent. less area in eight counties; fifteen per cent. less in two counties, and twenty per cent. less in one county.

The prospect is good for an average crop of fruit in sixteen counties; five per cent. more than an average in eight counties; ten per cent. more in two counties; fifteen per cent. more in one county, and twenty per cent. more in one county.

In twenty-four counties there will be five per cent. less than an average; ten per cent. less in seven counties; fifteen per cent. less in nineteen counties; twenty per cent. less in eleven counties; twenty-five per cent. less in seven counties; while in six counties there will be over thirty per cent. less than an average crop.

PEACHES.—There is no change in the area of peach orchards in sixteen counties; an increase of five per cent. in twenty-three counties; ten per cent. in eleven counties; fifteen per cent. in nine counties; twenty per cent. in one county; twenty-five per cent. in four counties; thirty-five per cent. in three counties; forty per cent. in two counties, and fifty per cent. increase over 1879 in area in one county. There is a decrease of five per cent. in nine counties; ten per cent. in one county; fifteen per cent. in four counties; twenty per cent. in two counties, twenty-five per cent. less in one county, and thirty per cent. less in two counties.

The prospect is good for an average crop in ten counties; five per cent. more than an average in sixteen counties; ten per cent. more in eight counties; fifteen per cent. more in sixteen counties; ten per cent. more in eight counties; fifteen per cent. more in four counties; twenty per cent. more in three counties; twenty-five per cent. more in two counties; thirty-five per cent. more in four counties; fifty-five per cent. more in one county.

There will be five per cent. less than an average crop in eleven counties; ten per cent. less in eight counties; fifteen per cent. less in three counties; twenty per cent. less in four counties; twenty-five per cent. less in seven counties, and less than thirty per cent. below an average in nine counties.

PEARS.—The area of pear orchards is the same in forty-two counties as in 1879; five per cent. more in eighteen counties; ten per cent. more in eleven counties; fifteen per cent. more in three counties; twenty per cent. more in one county; twenty-five per cent. more in eleven counties; thirty per cent. more in one county, and fifty per cent. more in one county than last season. The area is five per cent. less in eighteen counties; ten per cent. less in ten counties; fifteen per cent. less in two counties; twenty-five per cent. less in four counties, and less than thirty per cent. below in two counties.

The condition of the crop is up to an average in eighteen counties; five per cent. above in seven counties; ten per cent. above in two counties, and fifteen per cent. above in one county.

There will be five per cent. less than an average crop in fourteen counties; ten per cent. less in fourteen counties; fifteen per cent. less in eleven counties; twenty per cent. less in two counties; twenty-five per cent. less in fifteen counties, and less than thirty per cent. below an average crop in seventeen counties.

PLUMS.—The reports indicate the same area of plum orchards in thirty-eight counties; an increase of five per cent. in twenty-five counties; and increase of ten per cent. in fourteen counties; fifteen per cent. more in four counties; twenty per cent. more in two counties, and twenty-five per cent. more in two counties. There is a decrease in area of five per cent. in eight counties; ten per cent. in one county; fifteen per cent. in three counties, and twenty per cent. in one county.

There will be an average crop of plums in twenty-four counties; five per cent. more in eleven counties; ten per cent. more in three counties, and fifteen per cent. more in one county.

There will be five per cent. less than an average crop in thirteen counties; ten per cent. less in seven counties; fifteen per cent. less in fourteen counties; twenty per cent. less in six counties; twenty-five per cent. less in nine counties, and less than thirty per cent. of an average crop in nine counties.

CHERRIES.—The same area is reported from thirty-six counties; five per cent. more in twenty-nine counties; ten per cent. more in twelve counties; fifteen per cent. more in eight counties; twenty per cent. more in two counties; there is five per cent. less area in eleven counties; ten per cent. less in two counties; fifteen per cent. less in one county, and twenty-five per cent. less in one county.

There will be an average crop in nineteen counties; five per cent. more than an average in ten counties; ten per cent. more in one county, and fifteen per cent. more in one county.

The crop will be five per cent. short in twenty two counties; ten per cent. short in fourteen counties; fifteen per cent. short in eleven counties; twenty per cent. short in five counties; twenty-five per cent. short in nine counties, and more than thirty per cent. short in ten counties.

GRAPES.—There has been considerable increase in the area of grapes the past year; fifty five counties report the same area; there is an increase of five per cent. in twenty-one counties; ten per cent. in seven counties, and fifteen per cent. in two counties.

In five counties there is a decrease of five per cent. in the area of grapes; ten per cent. less in three counties; fifteen per cent. less in three counties, and twenty-five per cent. less in one county.

The condition is promising for an average crop in fifty-one counties; five per cent. more than an average in twenty-six counties; ten per cent. more in six counties, and fifteen per cent. more in three counties.

The crop will be short five per cent. in fourteen counties; ten per cent. in two counties; fifteen per cent. in one county and twenty-five per cent. below an average crop in one county.

STRAWBERRIES.—There will not be an average crop of strawberries, and the area devoted to this crop is not as large as last season.

Forty-three counties report the same area; fifteen counties five per cent. more, and five counties ten per cent. more. The area is reduced five per cent. in twenty-three counties; ten per cent. in seven counties; fifteen per cent. in six counties; twenty per cent. in two counties, and twenty-five per cent. in two counties.

There will be an average crop in twenty-eight counties; five per cent. more in thirteen counties; ten per cent. more in one county; fifteen per cent. more in one county; twenty per cent. more in one county, and twenty-five per cent. more in one county.

In twenty counties the crop will be short five per cent.; ten per cent. short in ten counties; fifteen per cent. short in sixteen counties; twenty per cent. short in two counties, and twenty-five per cent. short in nine counties.

RASPBERRIES.—Forty-eight counties report the same area as last season; there is an increase of five per cent. in thirteen counties; an increase of ten per cent. in four counties; and fifteen per cent. in one county. A decrease of five per cent. in twenty-two counties; fifteen per cent. in eight counties; twenty per cent. in one county; twenty-five per cent. in two counties, and one county thirty per cent. less area than 1879.

There is a good prospect for an average crop in forty-four counties; five per cent. more in sixteen counties; ten per cent. more in eight counties; fifteen per cent. more in two counties, and thirty per cent. more in one county.

In eighteen counties there will be five per cent. less than an average crop; ten per cent. less in three counties; twenty per cent. less in two counties, and twenty-five per cent. less in two counties.

BLACKBERRIES.—There is no change in the area of blackberries since last season in thirty-eight counties; an increase of five per cent. in twenty-six counties; ten per cent. in twenty counties; fifteen per cent. in seven counties, twenty per cent. in one county; twenty-five per cent. in six counties and forty-five per cent. increase in one county.

The condition promises an average crop in thirty-five counties; five per cent. more in twenty-six counties; ten per cent. more in sixteen counties; fifteen per cent. more in nine counties; twenty per cent. more in four counties; twenty-five per cent. more in two counties; forty-five per cent. more in one county and fifty per cent. more in one county.

The condition is five per cent. below an average in five counties and fifteen per cent. below an average in two counties.

GOOSEBERRIES.—Forty-seven counties report the same area as in 1879; twenty counties show an increase of five per cent., and five counties an increase of ten per cent. Twenty counties show a decrease of five per cent.; six counties ten per cent., and four counties fifteen per cent.

There will be an average crop in thirty-eight counties; five per cent. more than an average in nineteen counties, and ten per cent. more in four counties. The condition is five per cent. below an average in seventeen counties; ten per cent. below in twelve counties; fifteen per cent. below in five counties; twenty per cent. below in three counties, and thirty-five per cent. below in two counties.

CURRENTS.—The same acreage as in 1879 is reported in forty-three counties; an increase of five per cent. in fourteen counties; an increase of ten per cent. in one county

an increase of ten per cent. in one county. A decrease of five per cent. in twenty counties; ten per cent. in five counties; fifteen per cent. in ten counties; twenty-five per cent. in two counties, and forty-five per cent. in one county.

The prospects are favorable for an average crop in thirty-three counties; an increase of five per cent. in eight counties, and an increase of ten per cent. in four counties.

The condition is five per cent. below an average in twenty-five counties; ten per cent. below in ten counties; fifteen per cent. below in eight counties; twenty per cent. below in four counties; twenty-five per cent. below in three counties; with one county thirty; one forty-five, and one fifty per cent. below an average in condition.

AGRICULTURAL STATISTICS.

The great value of the crop statistics of this department mainly consists in their early and prompt appearance during the growing season, and immediately after harvest, when the information as to condition and yield is most needed to enable the producer and legitimate dealer to decide as to the supply and value of the crop.

The last official acreage of crops, as reported by assessors, is used as a basis for applying the estimate of crop correspondents as to the area and yield of the growing crops, and it is not to be expected that the estimates of correspondents will more than closely approximate the assessed returns reported the year following.

The estimates of correspondents, with few exceptions, have been below the returns of assessors made the succeeding year, and during the last three years the reports, when compared with the assessment, have confirmed the superior judgment and careful observations made by correspondents, who are farmers of experience and standing, and largely interested in the accuracy of the returns, and, as a rule, are inclined to the side of conservatism.

BASIS FOR ESTIMATING ACREAGE, CONDITION, ETC.

It will be observed that the number 100 is used to represent the acreage of the crop of 1879, with which the acreage of the present crop is compared; also, a fair average yield, and a fair average vitality and growth, unaffected by storms, insects and contingencies; an increase of one-tenth, or 10 per cent., is recorded 110; a decrease of 5 per cent. is marked 95, etc.

Respectfully submitted,

S. D. FISHER, Secretary.

CIRCULAR NO. 68.

ILLINOIS CROP PROSPECTS.

Consolidation of Reports returned to the Department of Agriculture, July 1, 1880.

SEASON.

The high temperature and humidity of the atmosphere the past month has been most favorable for the rapid growth of crops, sufficient rain having fallen in nearly every county in the state.

The excessive rains in many localities have interfered with harvesting, making the ground too soft to admit of the use of reapers, and in some counties interfering with the much needed cultivation of corn.

There are but few complaints of wheat sprouting in the shock, and the loss therefrom is confined to localities.

The damage to crops on the river bottoms by overflow since the first of July will be mentioned in the next report.

The rainfall in the northern and southern divisions of the state exceeds that of the central division, as may be seen by the meteorological report published elsewhere, which gives much interesting data concerning the weather at the several stations named for the month of June.

CORN.

This crop is fully up to the high condition reported last month, and while in some instances the cultivation has been somewhat interfered with in the wheat growing counties by the large grain harvest, the crop has received better attention than usual in the corn belt and to the northward, ensuring, with favorable weather, much more than an average yield per acre throughout the State.

The great advantage of the extensive use of drain tile in many counties of the State has never been more apparent than the present season, and the condition of growing corn on tile drained land, without an exception, is reported as promising much more than an average yield per acre.

The heaviest rains of the season have been rapidly removed through the tiles with but little delay to the plow.

The soil on drained land has been in such an excellent condition of tilth, and aided by such favorable weather, as to ensure the greatest vigor and most rapid growth of the plant.

Several correspondents report that the increased yield this season of corn now assured on drained land, will more than pay the entire cost of drainage.

The late rains were most opportune, coming at the critical period just previous to, and at time of earing, and removing any cause of fear that in due time the vigorous growth of stalks will be bending with the weight of large, well filled ears of corn.

CONDITION.—In six counties the condition is fifteen per cent. above an average; in nineteen counties, ten per cent. above; in twenty-five counties, five per cent. above; an average in twenty counties; five per cent. below an average in eighteen counties; ten per cent. below in two counties; fifteen per cent. below in four counties; twenty per cent. below in two counties; twenty-five per cent. below in only three counties, and less than thirty per cent. below in only three counties.

WINTER WHEAT.

The condition of winter wheat has not materially changed during the last month, the then flattering prospects for an unusually large average yield per acre have been reduced somewhat in some counties, and increased in others.

While the average yield per acre throughout the state will not be as large as last year, the wheat in some sections of the state will be equally as good, and the increased acreage will make up for the slightly reduced average yield.

The harvest commenced in the southern counties early in June, and as the ripening of the crop proceeded rapidly northward, the favorable reports concerning the crop have continued, confirming the early predictions of more than an average yield per acre of wheat.

The next crop report of the Department will give by counties the yield and value of the wheat crop of 1880, which will generally be threshed at that date, or to such an extent as to make it possible to nearly approach accuracy in the estimates.

The quality is from medium to good, and in contrast to the uniform high grade of the wheat crop of 1879, which was exceptionally fine in quality, and the large average yield per acre has never been equaled.

The reports are more numerous than last year concerning injury sustained by the Hessian fly, chinch bugs, rust, and from damage resulting from the freezing and thawing during the past winter and early spring.

The storms during and immediately after harvest have damaged the crop in many localities.

Due diligence in protecting the wheat as soon as in condition to stack would have saved a portion of the crop that has sprouted somewhat in shock.

Winter wheat in condition (or yield) is up to an average in nineteen counties; five per cent. above an average in twelve counties; ten per cent. above an average in seven counties; fifteen per cent. above an average in three counties, and twenty per cent. above an average in one county. Five per cent. below an average in ten counties; ten per cent. below in nine counties; fifteen per cent. below in three counties; twenty per cent. below in four counties; twenty-five per cent. below in thirteen counties, and thirty per cent. below an average in twenty counties.

SPRING WHEAT.

The prospects of this crop have not improved during the last month, and there is a decrease since the last report of thirteen in the number of counties reporting the condition of this crop.

There are many complaints of injury to spring wheat by chinch bugs, which, in some localities, have destroyed the growing crop.

The territory occupied by spring wheat is limited, and the crop is being supplanted by fall wheat wherever the latter can be grown successfully.

CONDITION.—The condition is up to an average in eighteen counties; five per cent. above an average in three counties, and ten per cent. above an average in one county; five per cent. below an average in four counties; ten per cent. below an average in four counties; fifteen per cent. below in two counties; twenty per cent. below in three counties; twenty-five per cent. below in two counties, and thirty per cent. below in two counties.

OATS.

The condition of this crop has improved since last report, and, with few exceptions, the yield per acre where not lodged will be above an average.

There is great danger of extensive loss by lodging, owing to the rank growth of oat straw, and there is scarcely a county in which more or less loss is not reported from this cause.

CONDITION.—In twenty-four counties the condition is up to an average; five per cent. above in thirty-two counties; ten per cent. above in seventeen counties; fifteen per cent. above in seven counties; twenty per cent. above in one county, and twenty-five per cent. above in one county.

The condition is five per cent. below an average in seven counties; ten per cent. below in two counties; fifteen per cent. below in four counties; twenty per cent. below in three counties; twenty-five per cent. below in one county; and more than twenty-five per cent. below in three counties.

RYE.

This crop is much more fully reported than last month and the condition has improved somewhat.

The condition indicates an average crop in forty counties; five per cent. more than an average in eight counties and ten per cent. more than an average in two counties. In twenty counties the condition is five per cent. below an average; ten per cent. below in five counties; fifteen per cent. below in seven counties; twenty per cent. below in three counties; twenty-five per cent. below in five counties.

BARLEY.

The prospects for Barley are somewhat better than last season, and with favorable weather for saving the crop the yield will compare favorably with that of previous good crops.

There will be an average crop in eighteen counties; five per cent. above in three counties, and ten per cent. above in one county.

In four counties the condition is five per cent. below an average; ten per cent. below in four counties; fifteen per cent. below in two counties; twenty per cent. below in three counties; twenty-five per cent. below in two counties, and more than twenty-five per cent. below in two counties.

SORGHUM.

Sorghum cane has improved the past month and the condition promises an unusually large crop. The growth of cane is rank and the quality has not been improved by the excessive rains which have prevailed in some localities.

The condition is up to an average in thirty-nine counties; five per cent. above an average in six counties and ten per cent. above an average in three counties.

The condition is within five per cent. of an average in twenty-two counties; ten per cent. below an average in five counties; fifteen per cent. below an average in nine counties; twenty per cent. below an average in four counties, and twenty-five per cent. below an average in three counties.

BROOM CORN.

Broom corn promises to make more than an average crop.

The condition is up to an average in thirty counties; five per cent. above an average in five counties; ten per cent. above an average in three counties, and twenty-five per cent. above an average in one county.

The condition is five per cent. below an average in eight counties; ten per cent. below an average in five counties; fifteen per cent. below an average in two counties; twenty per cent. below an average in five counties, and twenty-five per cent. below an average in three counties.

MEADOWS.

The prospects for a large hay crop have improved since last report and the conditions are very favorable for more than an average yield per acre in a majority of the counties in the State. The quality, with few exceptions, will be extra. There will be an average yield per acre in eighteen counties; five per cent. above an average in twenty-two counties; ten per cent. above an average in ten counties; fifteen per cent. above an average in three counties; twenty per cent. above an average in three counties; twenty-five per cent. above in one county and thirty per cent. above in one county.

The condition is within five per cent. of an average in twenty-nine counties; ten per cent. below an average in seven counties; fifteen per cent. below in five counties; twenty per cent. below in one county, and twenty-five per cent. below in three counties.

PASTURES.

The general rains throughout the State in the month of June greatly improved the condition of pastures, which, as a rule, is up to an average or better.

The condition in thirty-two counties is up to an average; five per cent. above an average in twenty-five counties; ten per cent. above an average in nine counties; fifteen per cent. above an average in six counties; twenty-five per cent. above an average in two counties. In eighteen counties the condition is five per cent. below an average; ten per cent. below an average in eight counties; fifteen per cent. below an average in three counties.

IRISH POTATOES.

The season has been favorable to the growth of potatoes and with continued good weather for this crop, the yield will be much above an average.

There are but few complaints of injury from insects.

The condition of the crop is up to an average in forty counties; five per cent. above in twenty-five counties; ten per cent. above in seven counties; fifteen per cent. above in ten counties; and twenty per cent. above in one county.

In twelve counties the condition is five per cent. below an average; in four counties ten per cent. below; in two counties fifteen per cent. below, and in one county twenty-five per cent. below.

SWEET POTATOES.

Sweet potatoes are more extensively grown of late than heretofore and the profits therefrom per acre compare favorably with that of any other field crop.

The crop is in a promising condition.

In fifty-three counties there will be an average yield per acre, and five per cent. more than an average yield in thirteen counties.

The crop is five per cent. below an average in seventeen counties; ten per cent. below an average in three counties; fifteen per cent. below in four counties; twenty per cent. below in one county.

FLAX.

This crop is grown in nearly half the counties in the state.

The condition of the growing crop promises about an average yield per acre.

In nineteen counties the condition is up to an average; five per cent. above in seven counties, and ten per cent. above in three counties.

The condition of flax is five per cent. below an average in six counties; ten per cent. below in four counties; fifteen per cent. below in two counties; twenty-five per cent. below in one county, and more than twenty-five per cent. below in one county.

TOBACCO.

The condition of tobacco has not improved during the past month. While some counties report better prospects more counties give a corresponding decrease in the prospects of the crop.

In fourteen counties the condition is up to an average; five per cent. above in one county and ten per cent. above in one county.

The condition is five per cent. below an average in five counties; ten per cent. below in one county; fifteen per cent. below in four counties; twenty per cent. below in three counties; twenty-five per cent. below in two counties and more than twenty-five per cent. below in one county.

COTTON.

This crop is reported in but four counties in the State and the condition of each is reported as up to an average.

FIELD BEANS.

The profit attending the culture of this crop in some localities has had the effect of increasing the area.

Field beans are grown to some extent in seventy-seven counties, in fifty-two of which the crop is up to an average in condition; five per cent. above an average in two counties; ten per cent. above in one county and twenty-five per cent. above in one county.

The condition is five per cent. below an average in seven counties; ten per cent. below in six counties; fifteen per cent. below in three counties; twenty per cent. below in two counties, and twenty-five per cent. below an average in three counties.

FIELD PEAS.

This crop receives more or less attention in forty-six counties; thirty-four counties of which the condition is up to an average; in two counties the condition is five per cent. above an average, and in one county the condition is ten per cent. above an average.

The condition is five per cent. below an average in three counties; ten per cent. below in three counties; twenty per cent. below in two counties, and more than twenty-five per cent. below an average in one county.

AGRICULTURAL STATISTICS.

The great value of the crop statistics of this department mainly consists in their early and prompt appearance during the growing season, and immediately after harvest, when the information as to condition and yield is most needed to enable the producer and legitimate dealer to decide as to the supply and value of the crop.

The last official acreage of crops, as reported by assessors, is used as a basis for applying the estimate of crop correspondents as to the area and yield of the growing crops, and it is not to be expected that the estimates of correspondents will more than closely approximate the assessed returns reported the year following.

The estimates of correspondents, with few exceptions, have been below the returns of assessors made the succeeding year, and during the last three years the reports, when compared with the assessment, have confirmed the superior judgment and careful observations made by correspondents, who are farmers of experience and standing, and largely interested in the accuracy of the returns, and, as a rule, are inclined to the side of conservatism.

BASIS FOR ESTIMATING ACREAGE, CONDITION, ETC.

It will be observed that the number 100 is used to represent the acreage of the crop of 1879, with which the acreage of the present crop is compared; also, a fair average yield, and a fair average vitality and growth, unaffected by storms, insects and contingencies; an increase of one-tenth, or ten per cent., is recorded 110; a decrease of 5 per cent. is marked 95, etc.

Respectfully submitted.

S. D. FISHER,

Secretary.

FARM CROPS.

CONDITION JULY 1.

Counties.	CONDITION JULY 1.														
	Pastures..	Meadows.	Sweet Potatoes	Irish Potatoes	Tobacco.	Cotton...	Flax.....	Oats.....	Spring Barley.	Spring Wheat.	Winter Rye.	Winter Wheat.	Sorghum.	Broom Corn.	Corn.....
	AV. condition July 1.....	AV. condition or yield July 1	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....	AV. condition or yield July 1	AV. condition or yield July 1	AV. condition July 1.....	AV. condition July 1.....	AV. condition July 1.....
Adams	98	100	97	95	100	100	98	108	87	82	100	83	102	100	102
Alexander	95	97	95	88	100	100	81	81	80	82	95	91	95	93	95
Bond	95	96	102	107	100	100	98	98	105	105	90	103	103	100	100
Boone	100	92	100	105	100	100	117	105	103	103	95	90	95	103	103
Brown	112	112	100	115	100	100	105	105	105	105	97	97	100	100	100
Bureau	103	112	100	103	100	100	103	103	103	103	49	103	103	103	103
Calhoun	112	106	100	108	100	100	105	105	105	105	100	108	100	100	100
Carroll	90	78	91	91	100	100	100	100	98	80	100	70	100	100	100
Cass	110	106	100	113	100	100	111	100	93	93	100	99	102	100	100
Champaign	103	100	100	100	100	100	103	105	103	110	100	105	100	100	100
Christian	123	103	103	110	103	100	125	100	110	110	97	101	105	100	100
Clark	105	93	100	105	100	100	101	103	101	93	95	95	97	75	62
Clay	105	97	100	85	100	100	102	103	102	108	108	120	95	100	102
Clinton	101	101	100	95	100	100	86	100	100	96	105	105	80	80	89
Coles	100	97	100	100	100	100	106	106	105	100	105	102	87	105	107
Cook	97	91	100	113	100	100	103	105	103	76	83	50	97	95	102
Crawford	126	125	100	105	100	100	106	100	100	87	100	104	97	95	96
Cumberland	106	106	90	102	100	100	101	96	101	100	98	100	78	95	95
DeKalb	104	95	100	103	100	100	109	105	106	100	95	78	95	100	113
DeWitt	102	100	100	100	100	100	89	89	76	76	98	88	88	95	99
Douglas	100	103	100	100	100	100	110	100	100	100	105	111	103	100	111
DuPage	105	90	100	107	100	100	107	100	100	90	78	80	100	100	105
Edgar	104	96	100	101	100	100	103	100	103	100	102	102	100	110	108
Edwards	98	100	95	100	100	100	101	100	101	100	100	98	92	100	96
Effingham	105	105	100	102	100	100	105	100	105	100	107	100	100	100	102
Fayette	100	102	100	103	95	100	102	100	102	100	101	101	90	100	95
Ford	98	95	90	97	100	100	108	92	108	85	85	75	105	90	96
Franklin	101	110	97	97	100	100	101	100	95	103	103	86	81	100	95
Fulton	103	103	98	107	100	100	116	100	103	103	100	72	100	100	108
Gallatin	100	100	100	92	100	100	50	100	100	100	100	106	100	100	52
Greene	106	100	100	113	100	100	106	100	100	100	100	107	100	100	106
Grundy	107	105	105	111	100	100	112	108	100	86	100	110	110	100	107
Hamilton	90	100	100	100	100	100	72	100	102	100	100	82	62	100	77
Hancock	105	105	100	111	100	100	112	100	103	103	100	99	102	100	110
Hardin	97	100	100	91	100	100	78	100	100	87	100	95	100	100	80
Henderson	105	91	100	102	100	100	100	110	65	100	101	50	100	100	112
Henry	103	90	100	102	100	100	106	80	30	80	90	60	100	100	102
Iroquois	97	110	95	97	100	100	108	75	75	85	100	62	90	75	50
Jackson	105	106	98	100	100	100	96	100	100	100	100	98	98	100	86
Jasper	105	98	100	107	100	100	110	112	100	100	117	100	101	98	107
Jefferson	108	103	103	108	100	100	103	100	100	96	96	100	100	100	103
Jersey	102	109	109	113	100	100	102	100	100	105	105	100	100	100	111
JoDavies	92	73	92	101	100	100	95	100	91	84	94	59	84	100	102
Johnson	93	96	103	100	100	100	80	100	103	80	100	76	95	100	108
Kane	105	105	95	99	100	100	104	97	103	98	99	96	96	104	107
Kankakee	101	100	100	77	100	100	102	85	100	76	100	75	72	80	71
Kendall	92	90	100	101	100	100	103	80	48	53	100	73	100	100	107
Knox	105	102	102	107	100	100	112	100	73	103	103	103	103	100	114
Lake	100	93	100	105	100	100	110	103	102	89	104	78	103	105	103
LaSalle	101	106	106	95	87	100	92	90	51	51	63	62	100	100	100
Lawrence	100	110	100	100	100	100	113	100	100	100	100	103	103	100	101

FARM CROPS—Continued.

CONDITION JULY 1.

Counties.	Corn.....		Sorghum.	Winter Wheat.	Winter Rye.	Spring Wheat.	Spring Barley.	Oats.....	Flax.....	Cotton....	Tobacco.	Irish Potatoes	Sweet Potatoes	Meadows.	Pastures..
	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition or yield July 1	Av. condition or yield July 1	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition July 1.....	Av. condition or yield July 1	Av. condition July 1.....
Lee	107	...	100	70	104	64	97	100	105	105	...	101	100	86	95
Livingston	74	...	100	50	73	...	...	104	105	105	...	87	100	130	117
Logan	101	...	95	98	101	92	...	104	101	...	...	101	100	106	104
Macon	109	100	100	107	100	92	...	105	101	...	...	107	103	105	104
Macoupin	110	...	100	113	...	...	...	102	...	...	...	119	108	105	115
Madison	100	...	95	110	102	...	...	105	...	...	...	103	103	93	98
Marion	88	...	87	106	100	...	100	93	95	...	100	100	100	83	83
Marshall	111	...	106	90	101	...	...	109	...	...	...	113	100	112	111
Mason	96	100	100	97	87	95	...	111	...	...	...	105	100	113	107
Massac	95	...	93	78	...	...	...	83	...	...	75	96	103	97	102
McDonough	105	...	100	90	100	95	100	105	...	...	...	100	100	105	95
McHenry	106	...	100	73	75	102	101	103	95	...	...	98	...	80	100
McLean	93	...	80	96	94	67	...	104	100	...	...	100	98	111	114
Menard	110	100	100	101	100	97	10	101	...	...	...	111	101	104	104
Mercer	101	90	97	10	96	57	...	102	...	...	...	100	100	97	97
Monroe	100	100	100	107	96	...	80	100	...	...	...	103	100	103	101
Montgomery	109	100	96	100	103	...	100	122	100	...	...	117	103	122	108
Morgan	118	110	100	108	100	...	...	107	...	...	...	117	105	120	112
Moultrie	106	95	95	91	90	100	100	101	100	...	...	101	100	93	90
Ogle	102	100	100	91	103	88	100	107	90	...	...	103	103	96	103
Peoria	115	100	108	82	98	38	100	112	...	...	...	115	100	121	112
Perry	87	...	71	100	...	...	...	87	100	...	...	98	100	100	100
Piatt	98	98	93	93	98	95	90	101	95	...	...	96	100	98	101
Pike	103	...	100	95	100	...	...	101	...	...	...	106	103	101	101
Pope	95	80	88	90	100	...	...	65	...	...	68	90	93	93	91
Pulaski	118	...	98	65	...	...	...	88	...	...	...	99	100	104	104
Putnam	107	...	105	73	101	50	...	113	...	...	...	105	97	100	102
Randolph	98	97	96	100	100	...	...	95	...	...	...	101	100	108	107
Richland	100	...	97	100	100	...	...	102	100	...	...	100	100	107	100
Rock Island	94	90	95	32	98	91	100	103	...	...	...	96	95	93	96
Saline	95	80	90	100	97	...	...	97	...	100	...	100	100	107	100
Sangamon	112	100	102	101	100	100	...	106	105	...	85	103	100	107	113
Schuyler	102	88	93	102	98	107	...	115	100	...	100	111	100	110	106
Scott	115	100	100	95	90	...	...	108	...	...	...	103	93	100	115
Shelby	111	105	92	114	96	...	...	107	100	...	98	167	101	110	108
Stark	106	98	98	65	92	39	90	100	...	...	...	100	100	96	104
St. Clair	107	...	110	100	...	...	...	102	...	...	...	102	100	87	92
Stephenson	101	100	100	76	97	96	90	98	90	...	100	100	100	91	93
Tazewell	106	125	100	97	100	70	75	108	...	...	...	106	96	107	115
Union	100	...	100	90	...	...	...	95	...	...	...	100	100	100	105
Vermilion	105	100	100	112	101	100	...	107	102	...	100	114	100	96	108
Wabash	87	90	86	66	77	...	...	80	...	...	...	95	99	102	100
Warren	107	110	110	62	100	60	...	107	100	...	110	102	102	91	96
Washington	97	75	87	110	100	...	...	100	...	...	90	100	87	100	100
Wayne	93	100	95	102	105	...	...	100	110	100	85	100	94	97	87
White	71	80	76	72	82	...	...	63	...	...	75	97	87	95	100
Whiteside	102	...	100	25	110	62	100	105	...	...	...	105	100	85	100
Will	104	...	91	88	85	100	...	103	85	...	...	100	100	94	100
Williamson	80	85	82	75	100	...	...	68	...	...	82	97	88	102	102
Winnebago	108	...	82	96	100	95	104	103	...	...	...	100	...	78	88
Woodford	95	90	92	65	70	35	70	103	...	...	...	105	100	96	106

FRUIT AND FARM CROPS.

ACREAGE OR YIELD.

Counties.	MEADOWS.																ORCHARDS.				Hungarian & Millet	Vineyards ...	Woodland....	Acreage compared with that of 1879.																																																																																																																																																																																																																																																						
	Timothy	Clover	Prairie	ORCHARDS.																																																																																																																																																																																																																																																																										
				Pear...	Peach.	Apple.																																																																																																																																																																																																																																																																								
	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	Acreage compared with that of 1879.	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FARM AND FRUIT CROPS—Continued.

ACREAGE OR YIELD.

Counties.	Cherries.....	Strawberries..	Raspberries..	Gooseberries..	Currants.....	Field Beans..	Field Peas...	MEADOWS.		ORCHARDS.				Hungarian & Millet	Vineyards ...	Woodland....
								Timothy	Clover.	Prairie	Apple.	Peach.	Pear ..			
	Average yield.....	Average yield.....	Average yield.....	Average yield.....	Average yield.....	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.	Average compared with that of 1879.
Lee.....	111	81	89	85	101	100	100	99	55	88	92	105	100	107	112	100
Livingston	107	77	101	100	115	105	102	102	93	93	100	100	100	100	105	100
Logan.....	51	90	103	100	101	90	97	97	90	96	103	96	100	101	110	97
Macon.....	97	99	100	88	96	75	94	82	82	97	91	102	102	100	90	98
Macoupin.....	105	91	102	98	91	100	100	90	95	...	102	100	100	96	102	99
Madison.....	75	88	95	100	100	...	88	76	76	...	78	115	115	108	100	97
Marion.....	96	120	106	100	75	75	100	105	100	100	96	108	100	120	100	100
Marshall.....	95	125	99	98	99	...	116	94	95	105	100	90	103	80	97	97
Mason.....	72	100	97	100	103	90	100	93	80	93	103	103	100	105	100	100
Massac.....	105	103	102	102	105	100	106	107	100	103	103	103	103	103	96	95
McDonough.....	75	75	90	87	85	100	105	90	...	112	105	100	100	100	97	97
McHenry.....	102	77	92	80	97	100	100	91	70	95	98	...	100	100	97	97
McLean.....	81	95	101	93	95	...	94	73	95	94	104	100	100	100	97	97
Menard.....	74	48	74	87	91	100	100	90	78	100	100	100	100	100	98	98
Mercer.....	75	82	98	95	97	100	98	83	110	127	73	100	103	103	105	100
Monroe.....	96	87	101	98	98	100	103	98	...	88	90	101	106	100	95	95
Montgomery.....	111	88	105	101	94	100	105	90	94	100	93	94	91	110	100	99
Morgan.....	100	83	93	91	98	100	115	97	...	85	100	125	100	100	100	100
Moultrie.....	86	71	83	100	96	...	90	90	63	85	71	91	100	81	95	95
Ogle.....	98	100	103	103	102	100	100	95	100	101	...	...	83	103	110	100
Peoria.....	92	91	100	103	100	100	121	42	...	100	103	83	103	101	103	97
Perry.....	93	100	106	103	100	100	93	103	...	100	90	100	101	103	97	97
Platt.....	85	86	100	96	98	...	93	98	86	...	101	103	100	100	103	98
Pike.....	105	81	111	116	95	100	91	73	...	103	103	100	100	96	100	96
Pope.....	97	96	100	100	87	90	80	100	105	...	118	100	100	100	92	90
Pulaski.....	93	99	116	103	110	83	91	102	114	...	100	98	92	101	10	96
Putnam.....	73	83	78	78	91	...	105	83	100	...	100	100	100	106	80	98
Randolph.....	92	102	103	100	100	...	108	113	...	105	101	100	100	103	105	96
Richland.....	90	90	100	102	102	95	100	102	...	105	112	100	...	...	97	97
Rock Island.....	98	87	99	91	104	85	95	64	100	94	125	100	102	110	98	98
Saline.....	92	100	100	100	100	100	107	107	...	100	100	87	100	100	97	97
Sangamon.....	92	65	78	86	81	125	100	100	...	96	112	106	97	100	99	99
Schuyler.....	90	88	96	90	92	100	107	88	...	105	122	96	100	102	98	98
Scott.....	76	70	86	100	80	100	100	22	90	100	115	95	100	...	95	95
Shelby.....	110	103	111	97	94	100	107	99	82	103	104	105	108	88	92	92
Stark.....	83	98	102	96	96	87	95	90	95	100	100	98	100	102	98	98
St. Clair.....	110	100	105	105	100	...	100	102	...	101	101	100	100	100	98	98
Stephenson.....	113	82	75	100	102	100	100	85	66	100	100	...	100	87	103	100
Tazewell.....	90	100	100	91	102	100	100	103	101	90	97	102	100	102	100	97
Union.....	75	82	87	100	...	...	105	105	...	93	95	72	100	100	95	95
Vermilion.....	75	100	114	97	101	95	105	93	91	90	97	143	103	113	100	96
Wabash.....	72	88	98	94	100	100	116	109	...	84	88	97	103	...	97	97
Warren.....	102	97	102	100	101	100	97	73	100	102	103	100	103	105	100	100
Washington.....	100	105	110	95	87	100	100	100	...	110	105	100	100	100	95	95
Wayne.....	83	94	103	98	95	100	101	101	93	100	119	98	102	100	93	93
White.....	91	75	100	90	83	...	91	95	...	101	101	100	100	100	96	96
Whiteside.....	90	85	105	80	110	100	90	70	100	87	...	75	90	102	100	100
Will.....	93	100	98	105	103	...	100	97	93	107	135	103	130	100	96	96
Williamson.....	83	93	100	75	50	93	80	107	...	98	103	100	100	105	95	95
Winnebago.....	101	102	102	97	102	100	92	69	95	103	...	100	101	250	99	99
Woodford.....	86	75	95	98	100	90	95	97	103	...	85	100	100	107	110	100

REMARKS FOR JUNE.

DURAND.—C. A. STARR, Observer. Thunderstorm on the 13th, 23rd and 26th.

BELVIDERE.—G. B. MOSS, Observer. Thunderstorms June 4, 5, 6, 9, 12, 14, 24, 25, 27 and 30. Bright "Sundog" at 6 p. m. on the 2d. Mean average temperature of 14 years, $67^{\circ}83$, 1873 being the warmest, $71^{\circ}82$, and 1869 the coolest, $64^{\circ}01$. Maximum temperature of June in 14 years was 100° on June 30, 1870, and the minimum temperature for same time 42° in 1876 and 1877. Mean precipitation of 12 Junes, 5.28 inches, 1869 being the wettest, 9.68 inches, and 1870 the driest, 0.54 inches.

MARENGO.—JOHN W. JAMES, Observer. Thunderstorms on June 5, 6, 12, 13, 24, 27 and 30. Solar halos June 2, 7, 11, 18, 26, 28 and 30. Mean temperature of June $2^{\circ}2$ higher than usual. Junes '67, '70, '72, '73 and '74 were warmer. Mean of 19 Junes $66^{\circ}8$. June 1873 was the warmest— $71^{\circ}8$ and 1869 the coolest— $63^{\circ}3$. Rainfall 1.33 inches more than usual. Mean rainfall of 19 Junes 3.95 inches. June 1868 was the wettest—9.17 inches. June 1863 the driest—0.64 inches.

ELGIN.—E. L. GIDDINGS, Observer. Thunderstorms on the 5th and 27th. Solar halos on the 8th. The mean temperature of June 1880 has been 6° higher than June 1879 and 8° higher than 1878. Rain-fall 2.20 inches more than '79 and 2.31 more than 1878.

CHICAGO.—J. MITCHELL, U. S. A. Observer. Greatest velocity of wind 36 miles per hour, from S. W. Total movement of the wind for the month, 5,094 miles. There were 8 clear days, 8 cloudy, and 13 days on which rain fell. Average mean temperature of 8 Junes $67^{\circ}18$ degrees. Junes 1873, '74 and '80 were warmer, each being $72^{\circ}2$ and 1875 coolest, 63° . Mean precipitation of the past 8 Junes, 3,945 inches. June 1877 being the wettest—6.04 inches, and 1873 the driest—1.44 inches.

MORRISON.—S. A. MAXWELL, Observer. Thunderstorms on June 4, 5, 13, 14, 24, 29 and 30. Hail on the 29th and 30th. Solar halos on the 7th, 8th, 18th and 30th. The month has been unmarked by unusual atmospheric phenomena. The Mississippi river attained an unprecedentedly high stage of water, culminating on Friday, June 25. Portions of the cities of Fulton, Ill., Lyons and Clinton, Iowa, situated on the low lands bordering the banks of the river, were entirely surrounded by the raging waters. Railroad tracks were submerged and boats took the place of hacks to carry passengers; sidewalks were transformed into pontoon bridges. A vast amount of property and some lives were lost.

ELMIRA.—O. A. BLANCHARD, Observer. Thunderstorms on the 13th, 14th, 24th and 26th. Highest temperature, 2 p. m. on the 11th and lowest, at 7 a. m. on the first. Monthly mean temperature at 7 a. m. $66^{\circ}7$, and at 9 p. m. $66^{\circ}86$.

PEORIA.—FRED. BRENDL, Observer. Thunderstorms on the 6th, 13th, 14th and 24th.

AUGUSTA.—S. B. MEAD, Observer. Thunderstorms on June 4, 5, 9, 13, 14, 24, 26 and 29. Catalpa in bloom on the 2nd. Morello cherries ripe on the 22nd. Rye harvest commenced on the 18th and wheat harvest on the 23d.

SPRINGFIELD.—T. B. JENNINGS, U. S. A., Observer. Thunderstorms on the 5th, 9th, 24th, 26th, 27th and 29th. Solar halos on the 18th, 23d, 25th and 30th. Maximum velocity of wind and direction, 32 miles per hour, from the south. Total movement of the wind for the month, 5,974 miles.

MT. STERLING.—WM. W. BOWER, Observer. Thunderstorms on the 5th, 9th, 13th, 14th, 24th and 29th.

CENTRALIA.—J. L. HALLAM, Observer. Thunderstorms on the 13th, 19th and 25th. The month has been remarkable for a uniform temperature at 7 a. m. and 9 p. m. Light showers have been frequent the latter part of the month. No local storms or severe destructive gales have visited this locality.

LOUISVILLE.—D. H. CHASE, Observer. Thunderstorms on the 16th, 26th and 27th.

UPPER ALTON.—W. LEVERETT, Observer. Light showers on June 4, 5, 9, 14, 19, 25, 26, 27 and 29.

ST. MARIE.—JAMES PIQUET, Observer. Thunderstorms June 14, 24, 25, 27, 28 and 29. Lunar halo on the 1st. Very little rainfall during the entire wheat harvest.

GRAYVILLE.—J. L. RHINEHART, Observer. Thunderstorms on the 5th, 6th, 23d, 24th, 27th and 30th. From sundown on the 5th until sunrise the next morning a very high wind prevailed having a velocity ranging from 40 to 60 miles per hour, however no serious damage resulted from it.

GOLCONDA.—J. E. Y. HANNA, Observer. Thunderstorms on June 6, 24, 25, 26, 28, 29 and 30. Solar halo on the 8th and lunar halo on the 13th. Only 0.42 inches rainfall previous to the 24th.

CORRESPONDENT'S REMARKS.

ADAMS.—Corn promises to make more than an average yield per acre; but on the bottom lands has been injured by overflow. There will be a good average crop of broom corn and sorghum cane. The yield per acre of winter wheat will be somewhat below an average; quality medium; harvest commenced June 15. Rye is up to an average in condition. Oats promise to make more than an average yield per acre. The Irish and sweet potato crops promise well. The hay crop will be of good quality, and the yield promises to be nearly up to an average; pastures are in good condition. Much attention has been given to the improvement of live stock, and as a rule, the farmers use pure bred sires. Some practical farmers have laid tile and feel well pleased with the investment.

ALEXANDER.—The drouth has affected the condition of the corn somewhat, and the crop is not as promising as a month since. Broom corn and sorghum are nearly up to an average in condition. There will not be an average yield per acre of fall wheat; the quality is good; harvest commenced the 28th of May; recent rains will doubtless injure the quality of wheat, much of which is still in shock. Oats are rather short, and the yield will be light, owing to the rust; there will be but little over three-fourths of an average yield per acre. Cotton and tobacco promise to make an average yield per acre. Irish and sweet potatoes are not up to an average in condition. There will be nearly an average crop of hay of excellent quality. Pastures are about up to an average in condition. Fruit crop will be fair; small fruits in abundance. Very little attention given to the improvement of hogs. There is great necessity for thorough tile-drainage of much land in the county; as yet but little has been done in this direction.

BOND.—Color and growth of corn is excellent; crop is generally in good state of cultivation, and the prospect is encouraging for an average yield per acre; some corn fields adjacent to wheat stubble have been injured by chinch bugs. Broom corn is up to an average in condition. Sorghum cane promises more than an average yield per acre. The yield and quality of winter wheat is as good if not better than last season; very little threshed; harvest commenced June 9th. There will be nearly an average yield per acre of oats; the straw is rather short. Irish and sweet potatoes promise more than an average yield per acre. Meadows and

pastures are nearly up to an average in condition; the army worm has injured the grass in some localities; the late rains have greatly improved prospects for hay and grass. There is an increasing interest each year in the improvement of live stock, and Bond county will not long be behind other counties in this respect. Some little attention has been given to tile drainage and the experiments of this season will induce many to commence a thorough system of drainage.

BOONE.—Corn is ten days in advance of usual seasons; has been well cultivated, except on low, wet lands, and bids fair to make a very large crop. Broom corn is above an average in condition. Sorghum cane will make nearly an average crop. There will be nearly an average yield per acre of fall wheat of fair quality; harvest commenced July 1st. Rye promises well. The excessive rains, followed by extreme heat, have caused rust on the spring wheat, and reduced the yield; there will be a little over three-fourths of an average yield per acre. Spring barley will not make an average yield per acre. Oats are in excellent condition, and if the crop does not lodge there will be more than an average yield per acre. Flax crop will be good. Irish potatoes are above an average in condition. Meadows have improved wonderfully since late rains and the prospect is encouraging for nearly an average yield per acre of hay. Pastures are in fine condition. There is more attention than heretofore paid to the improvement of farm animals and the demand for Short Horn bulls is greater than the supply. A few are making trial of tile draining, and the beginning in this much needed matter will result in draining the bulk of the wet land in this county.

BROWN.—There is a good stand of corn, of strong growth, which is generally clean, and promises more than an average yield per acre. Sorghum is up to an average in condition. The yield per acre of winter wheat is nearly up to an average; quality fair; harvest commenced June 10. Rye will make nearly an average yield. Chinch bugs have injured spring wheat, and the yield per acre will not be much over three-fourths of an average. The growth of oats is very heavy, and fears are entertained of lodging; there will be more than an average yield per acre where the crop can be saved. There will be a very large crop of Irish potatoes, and a full crop of sweet potatoes. Meadows and pastures are above an average in condi-

tion. Much attention has been paid to the improvement of cattle and sheep; some good horses and hogs have lately been introduced into this county. The good success attending tile-drainage has converted the best farmers to this great improvement.

BUREAU.—Upon high rolling land and well drained low lands the corn crop is in excellent condition and promises much more than an average. Much damage to crops has resulted from overflow and farmers are unable to cultivate as well as usual on account of high water. Sorghum will make more than an average crop. Fall wheat nearly a failure, being winter killed; but little left standing to harvest and that of poor quality—about half an average yield. Rye will make nearly an average yield per acre. Spring wheat much injured by chinch bugs and rust, but little over half an average yield per acre. Barley is up to an average in condition. Oats, except where lodged, will make more than an average yield per acre. Irish potatoes are above an average in condition. Meadows and pastures are in excellent condition; the hay crop will be much above an average in yield per acre; quality good. Fruit prospect encouraging; the yield will not be as large as was anticipated from the bloom. Much interest manifested in the improvement of live stock and farmers are generally availing themselves of all facilities. There is very general interest manifested in drainage and all are much encouraged by the results.

CALHOUN.—Corn is much above an average in condition and where not inundated on the river bottoms will make a very large yield. Sorghum will make an average yield per acre. Fall wheat will not grade as high as last season; the yield is better than an average but somewhat below expectations previous to harvest, which commenced June 8. Oats promise more than an average yield per acre. There will be a very large crop of Irish potatoes and a good yield of sweet potatoes. The hay crop will be of good quality and the yield nearly up to an average. But little attention has been given to the improvement of farm animals, but there is more interest in this direction of late years.

CARROLL.—Corn promises to make more than an average yield per acre; the overflow on the Mississippi bottom has destroyed a large area of corn. There will be nearly three-fourths of an average yield per acre of winter wheat; the Odessa wheat stood the winter better than any other variety. Rye promises to make an average yield per acre. There will be about three-fourths of an average yield per acre of spring wheat; some fears entertained of damage from rust. Oats look well, and an average yield per acre is expected. Irish potatoes are not up to an average in condition; sweet potatoes are up to an average in condition. There will be over three-fourths of an average yield per acre of hay; pastures are improving rapidly, and are nearly up to an average in condition. Fruit crop damaged by high winds blowing off much of the fruit, especially apples and cherries. Farmers are giving more attention to the improvement of stock—particularly cattle and horses; the Short Horn and Jerseys are preferred, also heavy draft horses.

CASS.—Corn is much above an average in condition; the crop is in good state of cultivation and no complaint of weeds or insects. Sorghum promises more than an average yield per acre. Harvest commenced June 12; there will be a fair yield of winter wheat which will not grade as high as last season; on wood and clear lands the crop will be up to an average in yield and quality; inferior on prairies. Not much spring wheat sown; the rust has injured the crop somewhat and the yield will be below an average. Oats show a very heavy growth of straw and in some localities the crop is badly lodged; the yield per acre will be much above an average if the crop can be saved. There will be an average crop of sweet potatoes and a very large crop of Irish potatoes. Meadows and pastures are in fine condition and there will be more than an average yield per acre of hay. There will be a good crop of all kinds of fruit except winter apples. There is a great deal of interest taken in the improvement of stock and a company of prominent farmers are doing much good in this direction, by importing the best sires to be found. There is a steady increase in the work of farm drainage and the good results obtained therefrom will induce many to tile their wet lands.

CHAMPAIGN.—There has seldom been a better prospect for corn; stand is good, crop in fine state of cultivation, color good and the growth vigorous. Sorghum cane and broom corn are up to an average in condition. Harvest began about the 21st June; quality generally good; the yield will be above an average. Rye will make an average yield per acre. There is a rank growth of oats; where the crop has not lodged the yield per acre will be above an average. Flax is above an average in condition. Irish and sweet potatoes promise to make an average crop. Meadows are fully up to an average in appearance and the hay will be of good quality, with little clover. Pastures are somewhat above an average in condition. Excepting apples there will be an average crop of fruit. Much attention has been paid to the improvement of farm animals. Tile drainage is attracting general attention and a large amount is laid annually; all who have experimented in this direction are pleased with the investments.

CHRISTIAN.—The stand of corn is good, and the condition is much above an average, and promises a very large crop. Broom corn and sorghum are in good condition, and promise well. Wheat harvest commenced the 15th of June; the quality of the wheat is good, and the yield will be above an average; wheat not stacked is likely to be damaged by the late heavy rains. Rye is up to an average in condition. There will be more than an average yield per acre of spring wheat; the area is limited. The yield per acre of barley promises to be large. Oats are filling well, and there will be an immense crop if they do not lodge. Flax and tobacco promise to make an average yield. Irish and sweet potatoes are above an average in condition. The quality of hay will be good, and the yield per acre much above an average. Pastures are in excellent condition. There will be a fair crop of all kinds of fruit. The better class of farmers are wide awake to the importance of breeding from none but the best of stock. There has been considerable tile laid in this county; the results are gratifying.

CLARK.—Early planted corn on high rolling lands promise to make an average crop; the excessive rains in May prevented the planting of the usual acreage, and the floods have drowned out much of the corn on bottom lands. There will not be over three-fourths of an average crop of broom corn. Sorghum is looking well, and will make a fair crop. Harvest commenced the 10th of June; there are some extra pieces of winter wheat and less poor pieces than usual; the yield will be about up to an average, and the quality fair. Rye is looking well. Oats are looking well, and promise to make more than an average yield per acre. Irish and sweet potatoes are in splendid condition, and there will be more than an average yield per acre of Irish potatoes. Meadows are improving rapidly and are nearly up to an average in condition; pastures are above an average in condition. There is a gradual but not enthusiastic improvement in the breeds of live stock. There is one tile factory in the county, which finds a good demand for tile; this interest is increasing.

CLAY.—The corn is clean; growth vigorous and the condition above an average; the chinch bugs are present in large numbers, and have injured the corn prospects in some localities. Broom corn and sorghum cane are up to an average in condition. Harvest commenced June 9th; the quality is good and the yield above an average; the crop is mostly in stack in good condition. There will be more than an average crop of rye. Oats, where standing until harvest, will make more than an average yield per acre. The condition of flax is above an average. There will be over three-fourths of an average yield per acre of tobacco. Irish and sweet potatoes promise to make an average yield per acre. Meadows have not recovered from the effects of the drouth, and there will not be quite an average yield per acre of hay. Pastures are improving and are nearly up to an average in condition. Considerable effort has been made of late to improve the stock of the county, and as the necessity for the best breeds of animals becomes more apparent the demand for thoroughbred sires will increase.

CLINTON.—Corn is not up to an average in condition; is improving since recent rains, in spite of the chinch bugs. There will be over three-fourths of an average crop of broom corn and sorghum. The quality of winter wheat is good; much better than expected; harvest commenced June 1, and ended the last of June; the yield per acre is more than an average. Winter rye promises to make nearly an average yield per acre. Chinch bugs have injured oats, and the yield per acre will be much below an average; the straw is generally short. Flax promises to make an average yield per acre. Tobacco some over three-fourths of an average. Irish and sweet potatoes nearly an average. Meadows are short, and in some localities have been seriously injured with army-worm; there will be over three-fourths of an average yield per acre of hay. Pastures are up to an average in condition. Some attention is given to the improvement of various breeds of stock, more especially sheep. More interest is taken each year in tile drainage, and the good results therefrom will encourage others to thus improve their farms.

COLES.—Corn is two weeks in advance of usual seasons in growth, and promises to

make much more than an average yield per acre; the season could not be more favorable for thorough cultivation and rapid growth. Broom corn is above an average in condition. Sorghum cane is nearly up to an average in condition. Winter wheat all harvested—commenced cutting the 15th of June; the straw is heavier than last year, and heads not so well filled; the quality is excellent, and the yield is above an average. Rye promises more than an average yield per acre. Spring wheat and barley are up to an average in condition. In condition, oats are above an average and will be ripe earlier than usual. There will be an average crop of Irish and sweet potatoes. Pastures are up to an average in condition; there will be nearly an average yield per acre of hay. It would be difficult to find a hog of the 'hazel splitter' breed in the county—fine hogs are the rule. There are several herds of Short Horns in the county, and the improvement in all breeds of live stock is in keeping with the times. There are eight tile factories in the county, and they cannot supply the demand for tile, which is increasing as farmers learn the profit resulting therefrom.

COOK.—Corn is above an average in condition and is making rapid growth. There will not be more than half an average yield per acre of winter wheat. Rye promises over three-fourths of an average yield per acre. Spring wheat badly rusted and the condition does not promise more than three-fourths of an average yield per acre. Barley will make over three-fourths of an average crop. There will be a very heavy crop of oats if the crop does not lodge. Flax is above an average in condition. The yield per acre of Irish potatoes will be much above an average; sweet potatoes promise to make a good crop. There will not be an average yield of hay per acre; the heavy rains have covered the low flat prairie meadows; pastures are nearly up to an average in condition. The improvement of live stock has received much attention in this county, where many fine herds are owned. There has not been much tile laid in this county; some farmers who have experimented in this direction are well pleased with the result.

CRAWFORD.—Corn has improved the last month, and with favorable weather will make nearly an average yield per acre; some fields on the low lands drowned out by the overflow. Broom corn and sorghum look well, and promise nearly an average crop. Winter wheat harvest commenced June 7; the crop has generally been saved in good condition, and there will be more than an average yield per acre of wheat of good quality; threshing commenced the last of June. There will be over an average yield per acre of oats, notwithstanding the rust, which has injured the crop in some fields. Flax is up to a good average in condition. Tobacco will make more than an average yield per acre. Irish and sweet potatoes are in fine condition, and promise more than an average yield per acre. The damage to meadows from army-worm is small, and the hay crop will be large. Pastures are much above an average in condition. There will be a fair crop of fruit. The improvement of horses, in the introduction of the draft breeds, is receiving some attention. Many farmers are engaged in draining their lands, and the interest in this direction is increasing.

CUMBERLAND.—Corn is nearly up to an average in condition; the early harvest and heavy rains in May interfered with thorough

cultivation. There will be over three-fourths of an average crop of sorghum cane. Winter wheat harvest commenced June 6; the crop has been saved in good condition and the yield will be nearly up to an average; quality is fair, some excellent. There will be an average crop of winter rye. Oats are in splendid condition and with favorable weather for harvesting, will make more than an average yield per acre. Flax is nearly up to an average in condition. Tobacco promises to make an average yield per acre. Irish potatoes are above an average in condition; there will be nearly an average crop of sweet potatoes. Meadows and pastures are above an average in condition and the yield and quality of hay will be large. There will be a fair crop of fruit. Considerable interest is manifested in the improvement of live stock, and this feeling is growing more rapidly than the advance in value of lands, which is largely the cause or necessity for handling only the best stock. Tile draining has been somewhat neglected; a number of leading farmers are preparing to tile drain their lands this season.

DEKALB.—Corn is in splendid condition and promises much more than an average yield per acre; the stand is good, crop well cultivated and two weeks earlier than usual. The few pieces of winter wheat promise to make over three-fourths of an average yield per acre. Rye is nearly up to an average in condition. Spring wheat looks well and an average yield per acre expected. Spring barley will make more than an average yield per acre. Oats are very heavy and promise more than an average yield per acre; the rank growth causes anxiety about lodging. Flax is above an average in condition. Irish potatoes promise more than an average yield per acre. Meadows are in good condition and the yield per acre will be about an average. Pastures are above an average in condition and are furnishing abundance of feed for stock. Fruit crop will be good. Nearly all the farmers in this county are improving all kinds of live stock by using thoroughbred males, and more attention is paid each succeeding year to good feeding. Tile drainage is being resorted to generally and with great benefit to our farmers.

DEWITT.—Corn has improved the last month and is nearly up to an average in condition; the crop is weedy on undrained lands which have been too wet to plow since the excessive rains. Broom corn looks well and will make nearly an average crop. Sorghum cane over three-fourths of an average crop. Harvesting commenced June 18; the yield per acre will be nearly up to an average and the quality is good. There will be nearly an average yield per acre of rye; three-fourths of an average of spring wheat. There is a heavy growth of oat straw and the late storm has prostrated the crop badly in some localities, reducing the yield below an average. Irish and sweet potatoes are up to an average in condition. Meadows and pastures are above an average in condition and the yield per acre of hay will be large. The fruit crop will be fair; some orchards are damaged with the blight. There are some few farmers who try to excel in stock breeding and are doing the country much good. There is a commendable interest in tile drainage and the advantages resulting therefrom will encourage many others to thoroughly drain their wet lands.

DOUGLAS.—Corn has made a very rapid

growth; the stand is good and it has been well cultivated; the condition promises more than an average yield per acre. Broom corn and sorghum cane promise to make an average crop. The yield per acre of winter wheat is much above an average; the quality is good; harvest commenced June 15th. There will be an average yield per acre of rye, spring wheat, barley and flax. Oats are well headed, a heavy growth of straw; the yield per acre will be much above an average. Tobacco is up to an average in condition. Irish and sweet potatoes promise to make a full average crop. The dry weather was not favorable to meadows; the yield of hay per acre will be a fraction less than an average. Pastures have improved since the late rains and are up to an average in condition. Farmers of the county believe in good stock, and breed from the best that can be had. The interest in tile drainage has increased rapidly of late and thousands of acres have already been tile drained, much to the profit of the owners of the drained land.

DUPAGE.—Corn is generally clean; the stand good and on high or drained land the crop promises to make more than an average yield per acre; have had too much rain for the corn on low and wet lands. Sorghum cane and broom corn promise to make an average yield per acre. The winter wheat not plowed up will make over three-fourths of an average yield per acre. Rye about the same. The rust has injured spring wheat in some localities; there will be nearly an average yield per acre. Barley is up to an average in condition. Oats are remarkably fine and what does not lodge will make more than an average yield per acre. Flax is in fine condition. Irish potatoes promise to make more than an average yield per acre. Meadows are nearly up to an average in condition; the quality of the hay will be good; some meadows were injured by white grub in 1879. Pastures have greatly improved since the rains and are above an average in condition. The improvement of farm animals has received much attention and the county can boast of having good stock. Quite a number have experimented in tile drainage and all are well pleased with the results.

EDGAR.—Corn is clean and in excellent condition; has made rapid growth the past month, and now promises to make more than an average yield per acre. Broom corn is above an average in condition. Sorghum cane promises to make an average yield per acre. The yield per acre of fall wheat is above an average, and the quality is good; harvest commenced the 15th of June. Rye will make an average yield per acre. Prospects are encouraging for more than an average yield per acre of oats. Irish and sweet potatoes are up to an average in condition. There will be a fair yield of hay, which will be mainly clean timothy, of good quality. Pastures are above an average in condition. Fruit of all kinds in fair supply. There is more interest manifested than usual in the improvement of live stock. There is a great and increasing demand for tile, which is being laid as fast as it can be procured.

EDWARDS.—The dry weather and the late planting has not been conducive to the usual growth of corn, which is hardly up to an average for the season. Broom

corn is in fine condition; there will be nearly an average crop of sorghum cane. Quality of wheat not as uniformly good as last season; the yield is hardly up to an average; harvest commenced June 5; crop generally saved in good order. Oats are in promising condition and the yield will be somewhat above an average; there is some complaint of rust. There will be an average crop of Irish potatoes. Sweet potatoes are nearly up to an average in condition and improving. Meadows and pastures are looking well; the hay crop will be much better than anticipated early in the spring. The prospects are encouraging for a good crop of all kinds of fruit. Some attention has been given to tile drainage, which has proved to be a grand success in ensuring crops. There are several enterprising farmers in the county who have done much to improve the quality of live stock.

EFFINGHAM.—Corn is generally fine and promises more than an average yield per acre; the chinch bugs have injured the crop in some localities. Broom corn and sorghum look well and will make an average yield per acre. There will be more than an average yield per acre of winter wheat; quality good; harvest commenced 14th June; crop saved in good condition. Rye will make an average crop. There will be an extra crop of oats where the crop does not lodge. Tobacco is looking well. Irish potatoes are above an average in condition. Sweet potatoes promise to make nearly an average crop. There will be a large yield per acre of hay of extra quality. Pastures are up to an average in condition. There is quite an improvement in the quality of live stock of late years and many progressive farmers are doing good service in introducing the best stock. Some attention has been given to tile drainage; surface drainage is the rule, but many are prejudiced in favor of tile drainage.

FAYETTE.—The condition of corn has not improved within the last month, and a full average yield per acre will not be realized throughout the county; in some parts of the county the chinch bugs have seriously injured the corn. Sorghum cane is not in as promising condition as last month, and an average crop will not be realized. Some early varieties of winter wheat were ready for harvest the 5th of June; the bulk of the crop was not ready for the sickle until the middle of the month; the yield per acre promises to be above an average and the quality good. Oats are ten days earlier than usual, and the crop promises to make more than an average yield per acre; some damage in localities from chinch bugs. Tobacco is nearly up to an average in condition. There will be more than an average yield per acre of Irish potatoes. Sweet potatoes promise nearly an average yield per acre. Apples are smaller than usual and falling off badly; other kinds of fruit promise a fair yield. There is considerable fine stock in the county and the improvement of farm animals is receiving considerable attention. Some tile has been laid in this county and other parties are making arrangements to thoroughly drain their low wet lands.

FORD.—The heavy rains have not been favorable for cultivation or satisfactory growth of corn, which is hardly up to an average in condition. Broom corn is somewhat below an average in condition. There will be more

than an average yield per acre of sorghum cane. Fall wheat harvest commenced June 26th; the yield per acre will be one-fourth less than an average. With favorable weather to ripen and harvest there will be a very large crop of oats. Flax is not up to an average in condition. Irish and sweet potatoes are not up to an average in condition. There will be nearly an average yield per acre of hay. Pastures are improving and will soon be up to an average in condition. Twig blight has injured some apple orchards and reduced the prospect for apples. Some few farmers are improving their farm stock, more attention being paid to horses and cattle. The favorable results from tiling has induced several large farmers to drain their low and wet lands.

FRANKLIN.—Corn is nearly up to an average in condition; the heavy rains have interfered with cultivation, and many fields are too weedy to permit corn to make good growth. Broom corn is up to an average in condition. There will be over three-fourths of an average yield per acre of sorghum cane. Wheat harvest commenced June 9th; the quality is good; the yield per acre will be less than an average; very little wheat in stack; the heavy rains have caused some wheat to sprout, and without favorable weather soon there will be no good wheat. Barley crop will be nearly up to an average. The prospect is encouraging for more than an average yield per acre of oats. Flax is up to an average in condition. There will be nearly an average crop of Irish and sweet potatoes. Meadows and pastures are above an average in condition; the hay crop promises to be large and of good quality. Farmers have learned to their financial grief that they have given too little attention to the improvement of live stock. No attention has been given to the important subject of tile drainage.

FULTON.—The warm growing weather has rapidly advanced corn, which is generally well cultivated and promises to make more than an average yield per acre. Sorghum cane is up to an average in condition. Winter wheat harvest commenced June 18th; the yield per acre is somewhat above an average and the quality fair; some fields were injured by rust and insects. There will be an average yield per acre of winter rye and spring wheat; the spring wheat in some localities has been seriously damaged by chinch bugs and rust. The prospect is good for more than an average crop of oats; the late storm has prostrated the crop in some localities. There will be more than an average yield per acre of Irish potatoes and nearly an average crop of sweet potatoes. Meadows and pastures are above an average in condition and promise a large crop of hay. Fruit prospects are encouraging; some blight in localities. There is a marked and increasing interest among the great majority of farmers of Fulton county to breed only the best specimens of the various kinds of live stock. Tile drainage is one of the common improvements which many farmers pride themselves in having.

GALLATIN.—On nearly all the low lands the corn is drowned out; the continued and excessive rains have prevented cultivation and the condition at this time does not promise but little over half an average crop. Fultz wheat has proved to be the best variety; wheat injured on low lands and much shriveled; there will not be over three-

fourths of an average yield per acre. Oats badly rusted and there will not be over half an average yield per acre. The condition of Irish potatoes promises nearly an average yield per acre. Sweet potatoes are up to an average in condition. There will be an average crop of hay of fine quality. Pastures are looking well. There will be a good crop of apples; the few peach trees are loaded with fruit; plums are good; blackberries in abundance. Several parties have brought Shorthorn cattle into the county, and most of the hogs are either Berkshire or Poland China. The necessity of better farming and thorough drainage is apparent to many of the farmers in the county who contemplate introducing the improved breeds of farm stock and provide for wet seasons by thorough tile drainage.

GREENE.—Corn has made great improvement the past month and promises to make more than an average yield per acre. Sorghum cane is up to an average in condition. Wheat harvest commenced June 14th, and will continue two weeks; the yield per acre is above an average and the quality, while good, is not as uniform as last season; the heavy rains of late have injured the quality of wheat somewhat. Oats are above an average in condition, well filled and promise more than an average yield per acre. There will be an unusually large crop of Irish potatoes and an average crop of sweet potatoes. Meadows are up to an average in condition, and the hay will be of good quality. Pastures are above an average in condition. Special attention has been given for years to the improvement of live stock, the proceeds from sale of which have largely increased the revenues of farmers. This county is very thoroughly tile drained and the good results therefrom for several years past have converted all who were doubtful as to the advantages of good drainage.

GRUNDY.—Corn is above an average in condition and is making very rapid growth; the frequent rains have interfered with plowing and corn is more weedy than usual. Sorghum cane is above an average in condition. Rye promises over three-fourths of an average yield per acre. Chinch bugs and rust have destroyed the spring wheat in many localities. The condition of flax is above an average. There will be a large crop of Irish potatoes and nearly an average crop of sweet potatoes. Meadows and pastures are much above an average in condition. The yield per acre of hay will be large and the quality extra. There will be only a medium crop of fruit; the wind and storms have blown off many apples in localities in the county. The improvement of the various breeds of animals have not received as much attention as the pecuniary interests of farmers demand. The great majority of farmers are engaged in tile drainage or making preparations to drain their farms.

HAMILTON.—Owing to the heavy rains in the spring, and the recent drouth, corn has not made the usual growth and does not promise but little over three-fourths of an average yield per acre. The above causes have affected sorghum cane, which does not promise two-thirds of an average yield per acre. The quality of wheat is not as good as last year, and there will not be but little over three-fourths of an average yield per acre; harvest commenced the 4th of June. Rye is up to an average in condition. Prospects are fair for

three-fourths of an average yield per acre of oats. There will be a good crop of flax. Tobacco is not up to an average in condition. The condition of Irish potatoes promises an average yield per acre; sweet potato crop will be short one-fourth. Meadows are in fine condition and there will be an average yield per acre of hay of excellent quality. Pastures are nearly up to an average in condition and improving. Farm animals do not receive necessary attention, but the spirit of improvement is manifest and farmers will soon have the best breeds of stock and be in condition to successfully compete with fine stock regions.

HANCOCK.—The stand of corn is good; the crop has received good cultivation and promises more than an average yield per acre, except on very low, flat land, where the crop is injured. Broom corn and sorghum cane promise an average yield per acre. Winter wheat crop not as good as last year, both in the yield per acre and quality; the harvesting began the 21st of June; the yield is nearly up to an average. Spring wheat is better than last year and the yield per acre will be somewhat above an average. Spring barley promises an average crop. Oats on very rich land badly lodged; generally the crop is much above an average in condition. Tobacco crop will make an average yield per acre. There will be more than an average yield per acre of Irish potatoes. Sweet potatoes promise nearly an average yield per acre. Meadows and pastures are up to a good average in condition, and the yield per acre of hay will be large. Apples somewhat thinned by the storms of June 5th; the crop still promises to be above an average. Not as much attention paid to the improvement of live stock as the importance of the interest demands. Considerable attention paid to tile drainage, and the favorable results will prompt others to drain their low and wet lands.

HARDIN.—The drouth has reduced the prospect for corn nearly one-fifth; the late rains will improve the prospects somewhat. Sorghum cane is up to an average in condition. The quality of winter wheat is from medium to good, and the yield per acre is hardly up to a good average; harvest commenced June 10th. There will be over three-fourths of an average yield per acre of rye. Oats have been seriously injured by rust, and there will be but little over three-fourths of an average yield per acre. Irish potatoes are not up to an average in condition; sweet potatoes promise an average yield per acre. The hay crop will be large and of good quality; pastures are nearly up to an average in condition.

HENDERSON.—Corn is in splendid condition; well advanced for season; in good state of cultivation, and promises more than an average yield per acre. Broom corn and sorghum are up to an average in condition. Fall wheat harvest commenced June 25th; the crop is poor; not over half an average yield per acre on the small area. Rye will make an average yield per acre. Spring wheat has been seriously injured by chinch-bugs, and the yield per acre will be one-third less than an average. There will be an average crop of rye. Oats are much above an average in condition, and promise to make an unusually large yield. Irish and sweet potatoes are in fine condition,

and the yield of Irish potatoes will be above an average. There will be nearly an average yield per acre of hay. Pastures are about up to an average in condition, and improving. Live stock has received considerable attention, and in quality will compare well with neighboring counties. Low, flat lands are being tile-drained to some extent.

HENRY.—Corn is fully up to a good average in condition and the stand promises a large crop; the hail storm on the 29th of June about Kewanee injured the prospects somewhat; the heavy rains have interfered with needed cultivation and many fields of corn are very weedy. Broom corn and sorghum cane are up to an average in condition. The small area of fall wheat not winter-killed will not make two-thirds of an average yield per acre. Rye is nearly up to an average in condition. Spring wheat seriously injured by chinch bugs and rust; in many sections the crop will not pay for harvesting; there will be about one-fourth of an average yield for the county. Barley will make over three-fourths of an average yield per acre. Oats are above an average in condition; some danger of lodging. There will be an average yield per acre of Irish and sweet potatoes. The meadows have not recovered from the effects of the dry weather in the early spring and the yield per acre of hay will hardly be up to an average. There is a growing demand for the improved breeds of stock; not as generally introduced as desired. Tile is laid extensively not only on farms but in roads and streets, and gives great satisfaction.

IROQUOIS.—Corn has been seriously damaged by excessive rains; much corn has been drowned out and many fields have received no culture; the condition does not promise more than half an average yield per acre. Broom corn will make about three-fourths of an average crop. Sorghum cane is not up to an average in condition. The wet season has injured fall wheat which will not make two-thirds of an average yield. Rye is up to an average in condition. The yield of barley per acre will be short one-fourth. Oats promise well, and there will be an average yield per acre where not lodged. Flax will not make full crops; in condition is one-fourth below an average. Irish potatoes is up to an average. Sweet potatoes promise about three-fourths of an average yield per acre. Meadows and pastures are in fine condition; there will be more than an average yield per acre of hay. Heavy winds have blown off much of the fruit and there will not be even a medium crop. The excessive wet weather has had much to do with the interest taken in tile drainage, which is essential to uniform success in growing crops.

JACKSON.—Corn injured some by drouth; since late rains the prospect has improved for more than three-fourths of an average yield per acre. Broom corn and sorghum are up to an average in condition. There will not be an average yield per acre of winter wheat and the quality is inferior, owing to rust just previous to harvest, which commenced June 6. Rye promises to make an average yield per acre. Heavy rains have caused oats to lodge and the yield per acre will be below an average. Tobacco promises well. There will be an average crop of Irish and sweet potatoes. Meadows and pastures are above an average in condition. The hay crop will be large and

of good quality. Considerable attention has been paid to the improvement of horses and sheep, but very little to other animals.

JASPER.—Corn is above an average in condition, and promises to make a very large yield per acre; chinch-bugs have slightly injured some fields of corn. Sorghum cane is above an average in condition. Broom corn is nearly up to an average in condition. Wheat harvest commenced June 9; the crop is much above an average, both in yield and quality, and has generally been saved in good condition. Rye will make an average yield per acre. There will be more than an average yield per acre of oats; the crop is nearly ready for harvest. Flax is much above an average in condition. Tobacco nearly up to an average in condition. There will be a large crop of Irish and an average crop of sweet potatoes. Meadows and pastures are nearly up to an average in condition; the army-worm has injured meadows in some localities. There will be an abundant crop of nearly all kinds of fruit. There is a slow but steady progress in the work of improving the quality of stock, particularly in hogs, Shorthorn and Jersey cattle, draft horses and trotting stock and long-wool sheep. But little tile laid in this county; a factory in this county would find a good demand for tile.

JEFFERSON.—The prospect is very encouraging for more than an average yield per acre of corn; the heavy rains have interfered with cultivation which is needed in some fields. Broom corn and sorghum are up to an average in condition. The yield and quality of winter wheat is not up to that of last season; harvest commenced June 5th and the crop was saved in good condition; the heavy rains since harvest have impaired the quality and if wet weather continues much of the wheat will sprout as but little has been stacked. There will be an average crop of barley and flax. Oats promise to make more than an average yield per acre; the crop is nearly ready for harvest, and the ground is too wet for machines to get into the fields. There will be more than an average crop of Irish potatoes; sweet potatoes are nearly up to an average in condition. Meadows and pastures are above an average in condition and the large hay crop promises to be of excellent quality. There will be a good crop of nearly all kinds of fruit. Considerable attention has been paid to the improvement of live stock and a radical change for the better has been made of late years.

JERSEY.—The condition of corn is better than usual; stand is even, growth heavy; color fine, and promises more than an average yield per acre. There will be an average yield per acre of sorghum cane. The yield per acre of winter wheat is above an average; the quality superior; harvest commenced June 1; some have threshed; the average yield from 25 to 36 bushels per acre. There will be more than an average yield per acre of oats; in some localities the straw is short. Irish and sweet potatoes promise more than an average yield per acre. There will be a heavy crop of hay. Pastures are above an average in condition. Prospect encouraging for a large fruit crop. Nearly 15 per cent. of the farmers are making considerable effort to improve the breeds of horses, cattle and hogs; not as much attention paid to sheep. Some are extensively engaged in tile-drainage, and the owners of low, wet lands will soon see the advantage of thorough drainage.

JODAVIESS.—Corn is large and thrifty and above an average in condition; sometime corn which will mature with favorable fall. The yield of fall wheat will be very light; with a few favorable exceptions wheat is thin, short and patchy, and troubled with rust in some localities; there will be something over half an average yield per acre. Rye will make over three-fourths of an average yield per acre. Nearly all farmers prefer fall wheat and but few pay any attention to spring wheat, which is in fair condition and promises nearly an average yield per acre. Barley is nearly up to an average in condition. Oats have greatly improved and promise to make nearly an average yield; the growth is rank and many fields will lodge. Flax and tobacco will make up to an average in condition. Irish potatoes are up to an average in condition. The drouth in May shortened the hay crop nearly one-fourth. Pastures are rapidly improving and are nearly up to an average in condition. There is a more active demand for good breeding stock than ever before. But little attention has been paid to tile drainage.

JOHNSON.—Corn is much above an average in condition, and has made very rapid growth since the late rains; the wind accompanying the rains prostrated corn in some sections. The prospect is good for an average crop of broom corn and sorghum cane. The quality of winter wheat is good; the yield per acre is nearly one-fourth below an average. Rye will make about the same yield as wheat. The dry weather of June reduced the yield of oats per acre about twenty per cent. Cotton is looking well and the prospect is good for an average yield per acre. Tobacco promises to make over three-fourths of an average yield per acre. There will be an average crop of Irish and sweet potatoes. Meadows and pastures are nearly up to an average in condition; quality of hay will be good. There will be a fair crop of fruit; in some localities the storms have blown off much of the fruit.

KANE.—Early planted corn is tasseling and is six feet high; the stand is good; the crop has been well cultivated and promises to make more than an average yield per acre. Broom corn and sorghum cane are above an average in condition. There will be nearly an average yield per acre of fall wheat on the land where not winter killed; the quality is fair. Rye is up to an average in condition. Barley will make more than an average yield per acre. Spring wheat is nearly up to an average in condition; some complaint in localities of rust and chinch bugs. There is a very rank growth of oats which have lodged in many localities since late rains; the crop where not lodged will make more than an average yield per acre. Irish and sweet potatoes are up to an average in condition. Timothy is large and tall but thin on the ground; clover nearly all winter killed; the hay crop will fall short of an average in yield. Pastures are in good condition. Great attention is being paid to the improved breeds of animals; there are several enterprising importers of cattle and horses. Tile draining is receiving much attention and all are greatly pleased with the results.

KANKAKEE.—Owing to the excessive and continued rains corn is very backward in growth and in many localities very weedy; the prospect is not very encouraging for

more than three-fourths of an average yield per acre. Broom corn and sorghum cane are much below an average in condition. Quality of fall wheat is good and where not winter killed there will be over three-fourths of an average yield per acre. The rust and chinch bugs have injured spring wheat and there will be but little over three-fourth of an average yield per acre. Barley is looking well. There is a very rank growth of oats and where not lodged will make over an average yield per acre. Flax is below an average in condition but improving. There will be over three-fourths of yield of Irish potatoes. Meadows and pastures are up to an average in condition; quality of hay will be good; mostly timothy. There are several herds of superior cattle in the county and attention is paid to the improvement of all kinds of farm stock.

KENDALL.—Corn is much above an average in condition; on well drained land the crop will be immense; the growth is well advanced for the season, and in good state of cultivation except on wetlands; in some sections cut worms and chinch bugs have injured the crop. Broom corn and sorghum cane are up to an average in condition. The small area of winter wheat left standing will make three-fourths of an average yield per acre. Rye is up to an average in condition. The rust and chinch bugs have injured the prospects for winter wheat, and there will not be more than half an average yield per acre. Barley promises three-fourths of an average crop. Oats have made a rank growth of straw and fears of lodging are entertained; where the crop can be saved there will be more than an average yield per acre. Irish and sweet potatoes are above an average in condition. Owing to the clover being winter-killed the hay crop will not be up to an average in yield per acre; hay is not being saved in as good condition as usual owing to the frequent rains. There is much interest manifested in the improved condition of farm animals and the demand is increasing for the best breeds. Considerable tile is being laid, and there is much talk of the importance of thorough drainage.

KNOX.—There is a splendid prospect for more than an average crop of corn; nearly all the crop has been laid by in excellent condition; the growth has been rapid, and the corn is well advanced for the season. Broom corn and sorghum promise a good average crop. Wheat harvest commenced 28th of June; there will be three-fourths of an average yield per acre; quality fair; chinch-bugs have seriously injured the crop in localities. Rye is above an average in condition. Hessian fly and chinch bugs have injured the spring wheat, reducing the yield per acre fully one-fourth. Oats are above an average in condition; some fields badly lodged; where standing, the crop will make over an average yield per acre. Tobacco is above an average in condition. There will be a large crop of Irish and sweet potatoes. Hay will be nearly up to an average in yield per acre; the clover was winter-killed. Pastures are above an average in condition. There are good herds of nearly all the beef and milk breeds of cattle, and only pure-bred bulls used. Nearly everybody is tiling; all who have tried it are convinced that it pays well.

LAKE.—Wet weather has interfered with good culture, and many corn fields are weedy;

the condition of the crop promises more than an average yield per acre. Broom corn is above an average in condition. The prospect is encouraging for nearly an average crop of sorghum cane. Most of fall wheat was winter-killed; what remains will make nearly three-fourths of an average yield per acre. Rye is below an average in condition. Spring wheat is well headed out, stands thick on the ground, and promises more than an average yield per acre; some fields of spring wheat have been injured by chinch-bugs. Oats are in splendid condition, and promise to make more than an average yield per acre. There is danger of lodging. Flax is looking fine, and there will be more than an average yield per acre. There will be more than an average crop of Irish potatoes. Meadows and pastures are about up to an average in condition; the quality of hay will be excellent. There are few counties in the state where more attention is given to the improvement of farm animals, than Lake county. Open ditches are generally used for drainage; some tile has been laid, and the results are very satisfactory.

LASALLE.—Corn looks very promising on high and drained lands and is ten days earlier than usual; some fields damaged by chinch bugs and many acres on low land drowned out; the corn above an average will not more than make up for the damage of chinch bugs and heavy rains. Broom corn and sorghum promise an average yield per acre. But little fall wheat escaped the winter and not over two-thirds of an average yield per acre will be realized. Rye is in fair condition for something over three-fourths of an average yield per acre. Much of the spring wheat was plowed up, owing to the damage from chinch bugs; there will be but little over half an average yield per acre. Chinch bugs have reduced the yield of oats fully one-tenth. Flax is nearly up to an average in condition. There will be nearly an average crop of Irish potatoes and over three-fourths of an average crop of sweet potatoes. Meadows and pastures are above an average in condition: the hay crop will be large and of good quality. There will be a good crop of fruit; some complaint of blight. Much capital and energy has been expended in improving all kinds of live stock, and the investment has been a good one for the county. Tile drainage has become quite general and has proved to be a grand success, paying largely for labor and material.

LAWRENCE.—There is a good stand of corn which is generally in a fair state of cultivation; the condition is above an average. Broom corn and sorghum promise to make an average crop. Winter wheat all harvested and much of the crop is in stack; commenced cutting June 10; the quality good and the yield better than an average, but below the crop of 1879 in yield and quality. There will be more than an average crop of oats; some fields of oats are affected with rust. Irish and sweet potatoes promise to make an average yield per acre. Meadows are in excellent condition and the hay crop will be large and of good quality. Pastures are up to an average in condition. But few of the farmers of Lawrence county have taken any interest in improving live stock, but as others learn the profit attending the breeding and feeding of the best animals the demand will increase for fine stock.

LEE.—Corn is generally above an average in condition and in good state of cultivation; the heavy continuous rains have greatly interfered with good culture on the low wet lands and in some places the corn has been drowned out. Sorghum is up to an average in condition. Winter wheat will hardly make three-fourths of an average yield per acre. Rye will make more than an average crop. The rust and chinch bugs have seriously damaged spring wheat and the yield per acre for the county will be short fully one-third. Barley is nearly up to an average in condition. Oats are very promising where not lodged and will make an average yield per acre. There will be a large crop of Irish and sweet potatoes. The meadows have not recovered from the effects of dry weather in the early spring which, with the injury sustained during the winter, have reduced the prospect for an average crop of hay. Pastures are nearly up to an average in condition. There is an active demand for good breeding stock and farmers generally are paying much attention to the improvement of stock. Considerable tile has been laid in this county and tile factories are being rapidly increased.

LIVINGSTON.—Excessive rains delayed corn planting on the undrained land, and on thousands of acres of such lands the corn is small, weedy, and of sickly color, with very little promise; corn on drained lands is looking well and will make more than an average yield per acre; but little over three-fourths of an average yield per acre anticipated. Sorghum cane promises about an average crop. The small area of winter wheat will not make over half an average yield per acre. Rye promises three-fourths of an average crop. Oats look splendid, and if they are not blown down will make more than an average yield per acre. There will be a limited crop of Irish potatoes; sweet potatoes look well. Meadows and pastures are in excellent condition; the hay crop will be large and of good quality. Pasture in abundance. Apple crop will be small; the trees in many orchards badly affected with blight; large crop of small fruits. There is a lively interest with most of the farmers of the county to improve the quality of live stock. A large amount of tile is being laid in the county, and the converts to tile drainage are numerous.

LOGAN.—Corn has improved very much the past month and promises to make more than an average yield per acre; on wet lands the corn is weedy; cultivation was prevented by rains. Sorghum cane promises to make nearly an average yield per acre. Winter wheat has improved wonderfully the past month and promises to make nearly an average yield per acre; harvest commenced June 20; some fields have been injured by scab and chinch bugs. There will be more than an average yield per acre of rye. Spring wheat promises to make nearly an average yield. The growth of oats is very rank and there are fears of lodging; the yield promises to be more than an average. There will be a large crop of Irish and sweet potatoes. Meadows and pastures are above an average in condition and the prospects are good for a very large yield per acre of hay. Proper attention is given to the improvement of live stock and the demand for stock of quality is increasing. There has been a vast amount of tile laid in this county and farmers are using all available funds for this purpose.

MACON.—The prospect has seldom been better for corn, and with favorable season the yield per acre will be much above an average. Broom corn and sorghum cane are up to an average in condition. The quality of winter wheat is good, and the yield per acre is much above an average; harvest commenced June 16; the crop was saved in good condition. Rye and flax are up to an average in condition. Limited area of spring wheat; the yield per acre will hardly be up to an average. There is a very rank growth of oats; some fields of oats have lodged; the prospect is encouraging for more than an average yield per acre. Irish and sweet potatoes will make more than an average yield per acre. Meadows and pastures are above an average in condition, and the yield per acre of hay will be very much better than usual. There will be a fair crop of all kinds of fruit. There is a commendable interest taken in the improvement of live stock, and of late more attention than usual has been given to heavy draft horses and dairy cows. Nearly every man who can command the means is thoroughly tile-draining his farm, and the results are highly encouraging.

MACOUPIN.—There has seldom been a more encouraging prospect for a large corn crop; the stand is generally good; crop has been well cultivated, and with continued favorable weather there will be more than an average yield per acre. Sorghum cane is up to an average in condition. Early varieties of wheat were cut as soon as June 9th; the acreage of the wheat crop is the largest ever harvested in the county; the yield per acre is much above an average; the crop was saved in good condition. Rye will make an average crop. The oat crop will be heavy where it can be secured; great complaint of lodging. The prospect is encouraging for a very large crop of Irish and sweet potatoes. Meadows and pastures are much above an average in condition; the hay crop will be of good quality, and the yield per acre more than an average. There are many enterprising farmers in the county who have invested largely in pure bred stock, and have done much to improve farm animals. Considerable tile has been laid, and the best crops have been grown this season on tile drained land.

MADISON.—Corn is growing rapidly; has generally received good cultivation; has rich color and promises to make an average yield per acre; the army worm did but little injury to the crop and the chinch bugs have not injured the crop very much. Rye is up to an average in condition. There will be more than an average crop of Irish and sweet potatoes; harvest was generally commenced the 10th of June; the quality is good; the yield per acre is much above an average; crop was saved in good condition; but little threshed and a yield per acre of thirty-five bushels is frequently reported where threshed. Oats look very promising; the yield per acre will be better than an average; superior quality of grain. Meadows, where not injured by army worm, will make about an average yield per acre; hay will be of good quality; pastures are improving since late rains. Farmers are giving more attention each succeeding year to the improvement of live stock. Tile drainage is receiving considerable attention and all who have experimented in this matter are well pleased.

MARION.—Corn is improving rapidly and with favorable conditions will make nearly an average yield per acre; some complaint of chinch bugs. Sorghum cane is not up to an average in condition. The quality of winter wheat is good; harvest commenced June 12th, the yield per acre is above an average. Rye and Barley promise to make an average yield per acre. Owing to the drouth and late seeding there will not be an average yield per acre of oats. Tobacco is looking well. Irish and sweet potatoes promise an average yield per acre. The quality of hay will be good; the yield per acre will be somewhat below an average. Pastures are improving since late rains. Very little attention has been given to the improvement of farm animals; there are some farmers in the county who are ambitious to have the best live stock and the profit and satisfaction resulting therefrom, will induce others to better breeding and feeding.

MARSHALL.—Corn is clean and generally of vigorous growth; the crop is above an average in condition, and except where injured by chinch bugs in fields adjacent to wheat fields, will make more than an average yield per acre. Sorghum cane is above an average in condition. But little fall wheat escaped the winter; what remains will make nearly an average yield per acre; quality good. Rye will make an average crop. Chinch bugs are at work on the spring wheat, which as yet has not been much injured and promises to make nearly an average yield per acre. The growth of oats is rank and where not lodged the yield per acre will be much above an average. Irish potatoes are much above an average in condition; sweet potatoes will make an average crop. Meadows and pastures are much above an average in condition; the hay crop will be large and of good quality. Improved breeds of live stock are in demand and farmers are convinced that the greatest profit can be obtained only by handling good stock. There has been considerable tile laid in the county and there is much interest in thorough drainage.

MASON.—Corn is nearly up to an average in condition; on low lands the corn is rather backward and weedy, on account of the excessive rains the past month, which has prevented plowing; on high or well drained land the prospect has seldom been more promising. Broom corn and sorghum are up to an average in condition. Winter wheat will not make an average yield per acre, and the quality is not up to that of 1879; harvest commenced June 15. Rye is not up to an average in condition. The acreage of spring wheat is not large; the yield per acre will be nearly up to an average. The prospect has seldom been more encouraging for a large crop of oats than this season. Irish and sweet potatoes promise to make an average crop. Meadows and pastures are much above an average in condition; the hay crop will be very large. There has been considerable improvement in the quality of stock in the county, of late years, and the most enterprising farmers believe in having the kind of stock that will mature early and sell at the best prices. But little attention has been given to tile-drainage.

MASSAC.—Corn has greatly improved since late rains and with favorable conditions will

soon be up to an average. Sorghum cane is nearly up to an average in condition. Fall wheat did not recover from the injury sustained by Hessian fly and the dry weather; the quality is inferior and the yield per acre is nearly one-fourth less than an average. There will be over three-fourths of an average yield per acre of oats of medium quality. The prospect is not favorable for over three-fourths of an average yield per acre of tobacco. There will be an abundant crop of sweet potatoes and nearly an average yield per acre of Irish potatoes. Pastures are in fine condition; meadows will turn off nearly an average crop of hay of good quality. Fruit of all kinds promises to make more than an average crop.

MCDONOUGH.—Corn is growing very fast; is free from weeds and promises more than an average yield per acre. Sorghum cane will make an average crop. There will not be an average yield per acre of winter wheat; harvest commenced the 25th of June; in some parts of the county the crop is nearly a failure. Rye and barley are up to an average in condition. Some varieties of spring wheat are good, and the yield per acre for the county will be nearly up to an average. The growth of oats is rather too rank, and a portion of the crop will lodge; the yield per acre where standing will be above an average. Irish and sweet potatoes are up to an average in condition. There will be a heavy crop of hay of good quality. Pastures are nearly up to an average in condition. The fruit crop will be medium as to quantity; the apple and pear trees are badly blighted. Farmers are taking great pains to improve their stock, and find the same a good investment. The drainage is all the rage in this county, and all are pleased with the investment.

McHENRY.—Corn except where drowned out on low flat land will make more than an average yield per acre; corn planted on sod ground has been injured by cut worms. Sorghum cane is up to an average in condition. Winter wheat on flat and wet lands generally winter killed; on high and drained land there will be about three-fourths of an average yield per acre. Rye promises three-fourths of an average yield per acre. Spring wheat has made a large growth and the prospect is encouraging for more than an average yield per acre. Barley is above an average in condition. The growth of oats is very rank and if the crop does not lodge, there will be more than an average yield per acre. There will be nearly an average crop of Irish potatoes. Clover meadows badly winter killed; timothy meadows are improving and the prospect is encouraging for over three-fourths of an average crop; pastures up to an average in condition. There has been considerable attention paid to the improvement of Short Horn cattle and fine wool sheep. The few who have tile drained are pleased with the results.

MCLEAN.—Corn is improving of late and making rapid growth; the condition, owing to the excessive rains and want of needed cultivation is not as promising as last month; the crop promises to make nearly an average yield per acre. Winter wheat harvest commenced the 21st of June and the yield will be nearly up to a good average; the quality will not grade as high as last season owing to the rust, which in some localities seriously damaged the crop. There will not

be over two-thirds of an average yield per acre of spring wheat and many fields will not pay for harvesting; the chinch bug has badly injured the crop. Oats are much above an average in condition; the growth of straw is very rank and there is danger of lodging; with favorable season the yield per acre will be very large. There will be nearly an average crop of winter rye. Sorghum will make over three-fourths of an average crop. Flax is looking well and a large yield per acre is expected. Irish potatoes will make more than an average yield per acre. Sweet potatoes nearly up to an average in condition. Meadows and pastures are much above an average in condition and the hay crop will be very large. There is 100 per cent. more interest in drainage than heretofore. McLean county is up with the times in the improvement of live stock and only thoroughbred sires are used as a rule.

MENARD.—There has been considerable improvement in the condition of corn, which promises to make more than an average yield per acre; fewer fields of weedy corn than usual. Broom corn and sorghum are up to an average in condition. Winter wheat harvest commenced June 16; there will be a large average yield per acre, and in quality the crop will compare favorably with that of the previous year. Rye promises to make an average yield per acre. Spring wheat is nearly up to an average in condition. The growth of oats is very rank; many fields badly lodged; the prospect is good for an average yield per acre. Irish and sweet potatoes are above an average in condition. The grass crop is very heavy, and there will be more than an average yield per acre of hay. There will be a fair crop of fruit. Considerable interest has been taken for years in the improvement of farm animals, and quality of stock will compare favorably with that of older counties. A large portion of the low, flat lands are tile-drained, and there is much more interest in drainage each succeeding year.

MERCER.—Corn looks well, except on undrained land, and will make more than an average yield per acre. Sorghum cane is nearly up to an average in condition. Broom corn will make about an average yield per acre. Winter wheat crop almost a failure. Rye is nearly up to an average in condition. Chinch-bugs have seriously damaged spring wheat, which will not make but little over half an average yield per acre. Oats promise more than an average yield per acre; some danger of lodging the growth in many places being very rank. There will be an average crop of Irish and sweet potatoes. Meadows and pastures nearly up to an average in condition. Hay, mostly timothy, promises to be of good quality. There will be a fair crop of fruit. The stock of the county is either thoroughbred or well graded up; the poorest farmers cannot afford to keep scrub stock. Farmers generally consider money spent in tiling, as well invested, and a large number have obtained good returns therefrom.

MONROE.—Corn is up to an average in condition, and excepting some weedy fields promises to make a very large yield per acre. Broom corn and sorghum are up to an average in condition. Some fields of wheat were cut as early as the last of May; the yield per acre is much above an average; quality from fair to good. Barley will make over three-

fourths of an average yield per acre. Condition of oats promises an average yield per acre; the growth of straw in some localities is rank and lodging is probable. There will be an average crop of Irish and sweet potatoes; the yield of Irish potatoes better than usual. Hay crop will be larger than usual and of good quality. Pastures are above an average in condition. The profit attending the raising of the improved breeds of stock has been considered by but few of the leading farmers in the county.

MONTGOMERY.—Corn has made some improvement the past month and promises to make more than an average yield per acre; but has been somewhat damaged in localities by chinch bugs since wheat harvest. Broom corn is up to an average in condition. Sorghum cane is looking well and a fair crop expected. Winter wheat harvest commenced June 10, and the crop is about all cut; the quality will compare favorably with that of last season; the yield is up to a good average, somewhat less than anticipated before harvest; the heavy rains since harvest will impair the quality as but little of the crop has been stacked. Winter rye and spring barley will make more than an average yield per acre. Some fields of oats are ripe enough to harvest; the yield per acre will be much above an average if the oats do not lodge; the growth of straw is rank. Flax promises an average crop. There will be more than an average yield per acre of Irish and sweet potatoes. Meadows and pastures are much above an average in condition and the prospect is encouraging for a very large yield per acre of hay. There is considerable attention paid to the improvement of live stock and the demand is increasing for pure bred stock. As yet but little has been done in the way of tile drainage; the county would be vastly improved by drainage and the failure of crops, the result of wet seasons, will soon convince farmers that drainage is a necessity.

MORGAN.—The prospect is encouraging for an unusually heavy crop of corn; the crop is forward in growth, generally clean and only needs favorable weather to ensure much more than an average yield per acre. Sorghum cane is up to an average in condition. Broom corn promises to make more than an average crop. Wheat is of fair quality; the yield per acre will be above an average; the crop was saved in good condition, but the continued rains since harvest have caused wheat to mould and damaged the quality in some localities. Rye is up to an average in condition. The growth of oats is very rank and the crop is badly lodged; the yield will be much above an average, where the crop can be saved. Irish and sweet potatoes are much above an average in condition. There will be but little clover hay; the timothy is very tall and heavy; the yield of hay will be much above an average; there will be an abundant crop of small fruits and a good crop of apples and peaches. Well bred stock of all kinds generally kept and there is great desire among farmers to improve. Tile draining is becoming very popular and farmers having the means are investing liberally in this direction.

MOULTRIE.—Corn is above an average in condition; rather weedy and inferior on undrained land; the crop would have been benefited by more rain the past month. Sorghum cane and broom corn are up to an

average in condition; harvest commenced the 17th of June; the yield will be less than an average and the quality good. Rye is not up to an average in condition. Spring wheat and barley looks well. There will be a full average crop of oats, where not lodged; the dry weather has reduced the yield per acre. Flax promises to make an average crop. Irish and sweet potatoes are up to an average in condition. The dry weather has not been favorable to the grass crop; the hay crop will not make an average yield per acre. There will be a large fruit crop; some complaint of tree blight. There is a decided interest manifested in the improvement of live stock by farmers in various parts of the county. Considerable tile drainage has been done and the majority of the farmers are arranging to tile their farms.

OGLE.—Corn is above an average in condition, generally clean and in good state of cultivation and looks promising for more than an average yield per acre. Sorghum cane and broom corn are up to an average in condition. Fields of fall wheat not winter killed will make nearly an average yield per acre; the quality is good. Spring wheat will not make an average yield per acre owing to the rust. Rye is looking well. Oats bid fair to make more than an average yield per acre. Flax is somewhat below an average in condition. There will be more than an average yield per acre of Irish and sweet potatoes, which are now above an average in condition. Old clover nearly all winter killed; young clover and timothy doing well; the prospect is good for nearly an average crop of hay. Pastures are above an average in condition. Abundance of small fruit; considerable portion of apples were blown off by storms. Farmers understand that "good blood will tell" and govern themselves accordingly in selecting and purchasing their breeding animals. Considerable attention has been given to tile drainage and all who have experimented pronounce it a grand success.

PEORIA.—Corn is much above an average in condition and excepting on the low wet lands the yield will be much above an average. Broom corn is up to an average in condition. There will be more than an average yield per acre of sorghum cane. Fall wheat not winter killed will make over three-fourths of an average yield per acre. Rye is about up to an average in condition. Chinch bugs are at work on the spring wheat; there will be about one-third of an average yield per acre; many fields of spring wheat have been plowed up and other crops planted. Barley will make an average crop. There will be a very large yield of oats if the crop stands; the rank growth increases the danger of lodging. There will be a very large crop of Irish potatoes; an average crop of sweet potatoes. Meadows and pastures are much above an average in condition; timothy very good; very little clover escaped the frost of last winter. There has been much interest for years in the improvement of all kinds of live stock. Best farmers are giving much attention to the matter of tile drainage.

PERRY.—Corn is not up to an average in condition; the heavy rains have interfered with needed culture and there are many weedy fields. Chinch bugs have injured the crop in some localities. Wheat harvest commenced June 4th; the yield and quality is below an average; chinch bugs have done considerable damage to wheat. Rye will make

an average yield per acre. Oats in some localities are badly affected with rust and the yield per acre will be less than an average. There will be an average crop of flax. Irish and sweet potatoes are about up to an average in condition. Meadows and pastures are up to an average in condition. The hay crop promises to be of good quality. There is but little attention given to the improvement of the breeds of farm animals. Some parties have drained their farms and are well pleased with the increased crops.

PIATT.—Corn is nearly up to an average in condition; some fields are very weedy, but are improving and the prospect is encouraging for about a medium crop. Broom corn and sorghum cane are nearly up to an average in condition. Wheat harvest commenced June 21, the quality will be good; the yield somewhat below an average. Rye and Barley will make nearly an average crop. Not much spring wheat sown, the crop is nearly up to an average. Oats have made a heavy growth of straw and fears are entertained that the crop will lodge; the yield promises to be more than an average. Flax looks well. Irish potatoes are nearly up to an average in condition; sweet potatoes will make an average crop. The hay crop will be nearly up to an average; pastures are in fine condition. Apple trees are blighting badly; apple crop will be limited, other fruits in abundance. More attention paid of late than formerly to the improvement of live stock and some fine animals have been imported. Tile drainage is all the excitement among farmers; some who laid tile last year will receive in the increase of crops this season more than the total expense.

PIKE.—Corn is clean and looking well, and will make more than an average yield per acre, except on low land where overflowed. Sorghum cane promises to make an average crop. Some early varieties of wheat harvested as early as the 9th of June; the quality is good; the yield per acre will be nearly up to an average. Rye is up to an average in condition. There will be more than an average yield per acre of oats where not lodged. Irish and sweet potatoes promise to make more than an average yield per acre. Meadows and pastures are above an average in condition; hay will be of good quality, and more than an average yield per acre is expected. The fruit crop will be abundant. There is much interest taken by many in the improvement of farm animals, and the number of herds of thoroughbred stock is increasing. The wet seasons have demonstrated the necessity of thorough drainage, and many of the most enterprising farmers are making arrangements to tile drain their farms.

POPE.—Corn has not made the usual growth, owing to the drouth; of late the excessive rains have prevented rapid growth and interfered with needed cultivation; many fields are weedy. Sorghum cane and broom corn are not up to an average in condition. The quality of winter wheat is only medium, owing to the rust; the yield per acre is not up to an average; rains are interfering with stacking and the crop is likely to be still further injured before it reaches the shipper. Rye is looking well and will make an average crop. The drouth after seeding of oats followed by rust, has seriously injured the crop and not over two-thirds of an average

yield per acre will be realized. The tobacco crop will be short nearly one-third of an average yield per acre. Irish and sweet potatoes are nearly up to an average in condition. Meadows have not recovered from the effects of the drouth and there will not be an average yield per acre of hay. Pastures are short, but improving. There is a good prospect for fruit of all kinds. The improvement of farm stock has not received the attention its importance demands.

PULASKI.—Corn is rather backward in growth for the season, owing to the drouth; the late rains have greatly improved the condition, which now promises to make more than an average yield per acre. Sorghum cane is nearly up to an average in condition. Fall wheat is good in quality; the yield per acre will be nearly up to an average; harvest commenced May 27th. Oats are short, owing to dry weather, and will not make an average yield per acre. There will be an average yield per acre of Irish and sweet potatoes. Meadows and pastures are above an average in condition; the weather has been unfavorable for the saving of hay—too wet—which promises to make more than an average yield per acre. The rain the 24th and 25th of June improved the condition of growing crops fully one-half.

PUTNAM.—Corn has improved the past month and now promises to make much more than an average yield per acre. Sorghum cane is above an average in condition. Winter wheat that escaped the winter will not make three-fourths of an average yield per acre. Rye is up to an average in condition. Chinch bugs have seriously injured spring wheat; the rust has also damaged the crop; the prospect is not encouraging for half an average yield per acre; many fields of spring wheat will not be cut. There will with favorable weather be more than an average yield per acre of oats. Irish potatoes are above an average in condition. Sweet potatoes look well. Meadows and pastures are in fine condition and the hay crop will be up to an average. Much attention is being paid to the improvement of farm animals in this county, which are generally good. Tile is being used extensively and every year adds many new converts to this doctrine, the observance of which is necessary for the greatest profit.

RANDOLPH.—Corn is nearly up to an average in condition; some fields are very weedy and there has been some complaint of chinch bugs. Broom corn and sorghum are nearly up to an average in condition. Wheat harvest commenced June 7; there will be an average yield per acre; the crop was saved in good condition and is of good quality. Rye is up to an average in condition. There will be nearly an average yield of oats per acre. Irish and sweet potatoes are up to an average in condition. Meadows and pastures are much above an average in condition. There will be a large yield of hay per acre; quality good. There will be a good fruit crop. The more enterprising farmers say they cannot afford to keep poor stock and are deeply interested in improving the quality of farm animals.

RICHLAND.—Corn is up to an average in condition, and making satisfactory growth; the rains in May and early wheat harvest have prevented needed culture, and weeds are

more plenty than usual. Sorghum cane is nearly up to an average in condition. Wheat harvest commenced the 10th of June; there will be an average crop both in yield and quality. Rye will make an average crop. The oat crop promises to be somewhat above an average. Flax is looking well. There will be an average crop of Irish and sweet potatoes. Meadows are above an average in condition; there will be a large crop of hay of good quality. Pastures are up to an average in condition. Prospects for a good fruit crop are encouraging. Some of the public spirited farmers have done good service in introducing some improved breeds of stock into the county.

ROCK ISLAND.—Corn has not improved the last month except on high and well drained land; the excessive rains have injured the prospects on low and wet lands to such an extent that there will not be an average yield per acre throughout the county. Broom corn and sorghum are nearly up to an average in condition. Fall wheat has not recovered from the effects of the winter and will not make over one-third of an average yield per acre. Rye is nearly up to an average in condition. There is a rank growth of straw of spring wheat, which will not add to the plumpness of the berry; chinch bugs have done considerable injury in localities and the yield per acre will be below an average. Barley and oats are up to an average in condition. There will be nearly an average crop of Irish and sweet potatoes. Late rains have thickened up the grass and much improved the condition of meadows, which now promise nearly an average yield per acre. Much attention is given to the improvement of stock and no man is worthy the name of a farmer or stock grower who does not select and breed only the best within his reach or means. Even old fogies have commenced tiling their lands because it pays largely.

SALINE.—Corn is somewhat below an average in condition; small and backward, owing to the excessive rains which have prevailed, preventing much needed cultivation. Broom corn and sorghum cane are not up to an average in condition, but improving. Wheat harvest commenced June 1; the quality is good and the yield per acre up to an average. Rye will make nearly an average yield per acre. Rust has injured the prospect for an average crop of oats. Cotton is up to an average in condition. Tobacco promises over three-fourths of an average crop. There will be an average crop of Irish and sweet potatoes. Meadows and pastures are in fine condition. The hay crop will be large and of good quality. There is but little interest taken in the matter of improving the quality of live stock; there is great need of a better stock of horses, cattle, sheep and hogs, and the increased profit thereon is appreciated by some of the best farmers.

SANGAMON.—Corn has made a very rapid growth the past month, and promises to make more than an average yield per acre; the stand is good, and with fewer exceptions than usual, fields are free from weeds. Broom corn and sorghum are up to an average in condition; the latter is very promising. The yield per acre of winter wheat is a fraction above an average; the quality is fair, not so uniformly good as last season; harvest commenced the 15th of June, with the crop in good condition, but much of the grain is still exposed in the shock, the late rain interfering with stack-

ing. Rye and spring wheat promise to make an average yield per acre. The wind and rain storms have prostrated many fields of oats, which promised to make more than an average yield per acre; oats that can be saved will make a very large yield. Not much flax sown; the crop is above an average in condition. Tobacco looks well. There will be a very large yield per acre of Irish potatoes; sweet potatoes are up to an average in condition. Meadows are in excellent condition, and the yield per acre of timothy meadows will be more than an average; little clover escaped the winter. Pastures are in splendid condition. Interest in the improvement of live stock on the increase, and substantial animals, of practical merit, are in demand. All progressive farmers are engaged or arranging to tile wet lands.

SCHUYLER.—Corn is above an average in condition and with few exceptions the yield per acre will be above an average. Broom corn and sorghum cane are improving and with favorable weather may make an average crop. Harvest commenced June 15; the yield per acre is above an average; the quality is good; crop was saved in good order. Rye will make nearly an average yield per acre. Spring wheat promises to make more than an average yield per acre; some little complaint of chinch bugs. Where not lodged the oat crop will be much above an average both in yield and quality. There will be an average crop of flax and tobacco. The yield per acre of Irish potatoes will be much above an average. Sweet potatoes are up to an average in condition. Timothy meadows very heavy. Clover thin, nearly all winter-killed. The hay crop will be more than an average. Pastures are above an average in condition. Fruit crop will be good. There is much attention given to the improvement of farm animals and all engaged therein are convinced of the profit of keeping good in preference to medium or poor stock. There has been a large amount of tile laid in the county and the interest therein is rapidly increasing.

SCOTT.—Corn is clean and in fine condition and promises more than an average yield per acre. Sorghum cane and broom corn are up to an average in condition. Some varieties of wheat were harvested as early as June 10; the yield per acre is not quite up to an average; quality good. Rye will not make an average yield per acre. Oats have made a rank growth and where not lodged will make more than an average yield per acre. Irish potatoes are above an average in condition; there will be nearly an average crop of sweet potatoes. Meadows look fine and there will be an average hay crop of fine quality. Pastures are much above an average in condition. The fruit crop will be fine; some complaint of blight in some apple orchards. The interest in the improvement of live stock is not as great as should be and the need of a county agricultural fair is very apparent. A great deal of attention has been given to tile drainage with the most satisfactory results.

SHELBY.—Corn is in excellent condition and making a very rapid growth; in good state of cultivation and promises more than an average yield per acre. Broom corn is above an average in condition. Sorghum cane will make nearly an average crop. Harvest commenced June 14th; some varieties cut sooner; the yield per acre is much

above an average and the quality is good. Wheat not all cut; machines working night and day; machines have cut 220 acres in two weeks. Rye promises nearly an average yield. Oats in some localities badly lodged; where the crop can be harvested the yield per acre will be much above an average. Flax is in good condition. Tobacco will make nearly an average crop. There will be a large crop of Irish and sweet potatoes. Meadows and pastures are above an average in condition; the hay crop will be large and of extra quality. There will be a large crop of fruit. The improvement of farm animals is receiving increased attention. There has been a large quantity of tile laid, with excellent results.

STARK.—Corn is much above an average in condition, and more forward in growth than usual at this date; some fields have been injured by the chinch bugs. Broom corn and sorghum cane are nearly up to an average in condition. There will not be over two-thirds of an average yield per acre of winter wheat; harvest commenced the 28th of June. Winter rye will make nearly an average yield per acre. The chinch bugs have seriously injured spring wheat, and there will not be much over one-third of an average yield per acre. Barley is nearly up to an average in condition. The growth of oats is very rank and some fields have lodged; the prospect is good for an average yield per acre. There will be an average yield per acre of Irish and sweet potatoes. The yield per acre of hay will be nearly up to an average. Pastures are above an average in condition. Increased attention is given to the improvement of all kinds of stock—especially horses. A very large number of the farmers in Stark county are tile draining their farms, and the good results therefrom will induce all who have wet lands to give this subject attention.

ST. CLAIR.—Corn is above an average in condition; generally well cultivated and promises to make more than an average yield per acre. The quality of wheat, where not injured by the rains since harvest, will be good; the yield per acre is above an average. Rye will make an average crop. Oats are above an average in condition. Irish potatoes promise to make more than an average yield per acre; sweet potatoes are looking well. Meadows and pastures are not up to an average in condition; the hay crop will be light and cut late, owing to the large wheat crop. Fruit crop will be large. There are a number of enterprising breeders of live stock in the county, who are doing much to improve the quality of live stock. Tile drainage is in great favor and there will be twice as much laid this year as last.

STEPHENSON.—Corn is clean and growing very fast and promises more than an average yield per acre. Sorghum cane and broom corn is up to an average in condition. Fall wheat will be ready for harvest early in July; the quality is fair and the prospect is encouraging for three fourths of an average yield per acre. Rye is nearly up to an average in condition. Spring wheat is nearly up to an average in condition; some fields are injured with rust. Barley is nearly up to an average in condition. There will be nearly an average crop of oats. Flax is not up to an average in condition. Tobacco will make an average crop. Irish and sweet potatoes are up to an average in condition. Clover nearly all winter killed; timothy

meadows are not up to an average in condition; quality of hay will be better than usual. Pastures are improving and are nearly up to an average. There will be a fair crop of fruit of all kinds. Good stock is the rule with good farmers of the county and there are many superior herds of cattle in the county as well as other fine stock. Some of the best farmers are experimenting with tile drainage.

TAZEWELL.—Corn is in excellent condition; is generally free from weeds and growing rapidly, and with good weather will make more than an average yield per acre. Broom corn is much above an average in condition. Sorghum cane will make an average crop. Wheat harvest commenced June 24th; the quality is fair; the yield per acre will be nearly up to an average. Rye will make an average crop. Spring wheat has been injured by chinch bugs; the prospects are not encouraging for more than three-fourths of an average yield per acre. Barley will make three-fourths of an average crop. The growth of oats very rank; some complaint of lodging; where the crop can be saved the yield per acre will be much above an average. Irish potatoes will make more than an average yield per acre; sweet potatoes are nearly up to an average in condition. Meadows and pastures are much above an average in condition; quality of hay will be excellent. There will be a medium crop of apples and a large crop of other kinds of fruit. Farmers are apprised of the profit of breeding good live stock and much attention given to this matter. Farmers are putting in tile as fast as the factories can make them.

UNION.—Corn has generally been "laid by" in fine condition and the prospect is encouraging for an average yield per acre. Sorghum cane will make an average crop. There will not be an average yield per acre of wheat; the quality of wheat is good, especially the Fultz variety; the rust injured the Tappahannock; harvest commenced June 1. There is some complaint of rust on oats; the yield per acre is a fraction below an average. Irish and sweet potatoes promise to make an average crop. There will be an average crop of hay of good quality. Pastures are above an average in condition. Fruit prospects good. There is a growing interest in live stock and the improved breeds are in demand.

VERMILION.—The stand of corn is good, the growth well advanced for the season; the prospect is encouraging for more than an average yield per acre. Broom corn and sorghum are up to an average in condition. Wheat harvest commenced the 16th of June and in quality is good; the yield is better than an average; very little stacked. Rye and spring wheat will make an average yield per acre. Oats are much above an average in condition and where the crop is not badly lodged will make a very large yield per acre. Tobacco is in promising condition. There will be a very large yield per acre of Irish potatoes; sweet potatoes will make an average yield per acre. Meadows promise nearly an average yield per acre of hay. Pastures are above an average in condition. Prospects are encouraging for a medium crop of fruit. Not as much attention paid to the improvement of stock as some years since; the fancy stock fever has somewhat subsided and animals of individual excellence are now in great demand. As farmers learn the profit resulting from tile drainage, the interest in this matter increases.

WABASH.—Early planted corn on drained land looks well and promises more than an average yield per acre; much of the crop on the river bottoms drowned out; the yield per acre for the county will be somewhat below an average. Broom corn and sorghum are not up to an average in condition. Wheat harvest commenced June 8; the yield per acre is much below an average and one-third less than expected. Rye will make three-fourths of an average yield per acre. Oats are not up to an average in condition. Tobacco promises to make nearly an average crop. Irish and sweet potatoes are about up to an average in condition. Meadows and pastures look fine and the prospects are encouraging for an average hay crop of good quality. Prospects are good for nearly all kinds of fruit. As farmers learn the value of improved stock the demand for and interest therein increases. There is some interest among the best farmers in the subject of drainage.

WARREN.—Corn is in excellent condition; ground free from weeds; stand and color good, and the crop is making a vigorous growth and promises to make more than an average yield per acre. Sorghum cane and broom corn look well and will make more than an average yield per acre. The yield per acre of fall wheat will be one-third less than an average owing to the injury sustained the past winter and early spring; harvest commenced 21st of June; quality fair. Rye promises to make an average yield per acre. Some fields of spring wheat destroyed by chinch bugs and many fields plowed up and planted to corn; the yield per acre will be one-third less than an average for the county. The growth of oats very heavy and the crop promises to make more than an average yield per acre. Flax is in fine condition. Irish and sweet potatoes are above an average in condition. Meadows have thickened up and been much improved by recent rains and will make nearly an average yield per acre. Pastures are nearly up to an average in condition. Fruit prospects are good, especially for small fruits. Much attention is given to the improvement of farm animals. There is much interest manifested in tile drainage, which is on the increase.

WASHINGTON.—Corn is making rapid growth and where not injured by chinch bugs is up to an average in condition. Broom corn and sorghum are not up to an average in condition but improving. The yield per acre of winter wheat is better than expected and much above an average; the quality is very good. Rye is up to an average in condition. Oats are rather short well headed and will make an average yield per acre. Tobacco promises to make about an average yield per acre. Prospects are encouraging for an average crop of Irish potatoes, and over three-fourths of an average crop of sweet potatoes. Meadows and pastures are up to an average in condition. The hay crop will be as large as usual and of good quality. Fruit crop will be large. The farmers of the county give more attention to grain than fine stock; the interest in the improved breeds of domestic animals is increasing. Surface ditching is quite general but little tile draining has been done.

WAYNE.—Corn is generally in good state of cultivation and making considerable growth; the dry weather interfered with the rapid growth and the crop is not quite up to an average in condition. Broom corn is looking well. Sorghum will make nearly an aver-

age crop. Winter wheat in yield and quality is up to a good average; harvest commenced June 7; chinch bugs and rust injured the crop in some localities. Rye will make more than an average crop. There will not be more than an average crop of oats; the hot weather since the rains has seriously injured some fields of oats; rust and chinch bugs have damaged the crop in some localities. Flax is up to an average in condition. There will be over three-fourths of an average crop of tobacco. Irish potatoes are up to an average in condition. Sweet potatoes are nearly up to an average in condition. Meadows and pastures are nearly up to an average in condition. The quality of hay will be better than usual, mostly clean timothy. Of late years the interest has been increasing in the improved breeds of stock, much to the pecuniary advantage of all concerned. The experiments in tile drainage have been very satisfactory and a large number of the most progressive farmers are preparing to drain.

WHITE.—The stand of corn is very uneven, and much needed cultivation has been prevented by the excessive rains; much corn on low, flat land overflowed; the prospect is not encouraging for over three-fourths of an average yield per acre. The condition of broom corn and sorghum is the same as corn. Wheat harvest commenced the 2d of June; the average yield per acre one-fourth less than an average; the quality is inferior; good farmers will have a fair crop of wheat, and poor farmers corresponding low yield. Oats injured by red rust, reducing the yield per acre fully one-third. Tobacco promises three-fourths of an average yield per acre. Irish potatoes are nearly up to an average in condition. There will be nearly an average yield per acre of meadows. Pastures are not up to an average in condition. Very little attention paid to the improvement of live stock. There is a tile factory in this county; the demand for tile is increasing, and there is considerable interest in this direction.

WHITESIDE.—On the low wet lands the corn is small and full of weeds, with that exception the crop promises more than an average yield per acre. Sorghum cane is up to an average in condition. Fall wheat will not make more than one-fourth of an average yield per acre; mostly winter killed. Rye is above an average in condition. Spring wheat is much below an average in condition and the yield per acre will be one-third less than an average. Barley is up to an average and promises well. Oats in quality and yield promise to make an excellent crop. Irish potatoes are above an average in condition; sweet potatoes are up to an average in condition. The hay crop will be below an average; pastures are in fine condition. There will be a fair fruit crop. The interest in live stock improvement is increasing and the demand for the best breeds is better than heretofore. Considerable attention has been given of late to tile drainage and a great amount of tile has been shipped into the county.

WILL.—Corn is earlier than usual and in very promising condition, and there is a prospect for more than an average yield per acre. Not much winter wheat in the county; the crop is nearly ready for harvest and promises to make nearly an average yield per acre. Rye is not in good condition, and but little over three-fourths of an aver-

age crop is expected. The red rust has injured spring wheat and reduced the prospect for an average crop. Barley is in fine condition. There is a very heavy growth of oat straw and the prospect is encouraging for more than an average yield per acre. There will be nearly an average crop of flax. Irish and sweet potatoes are up to an average in condition. The hay crop will be somewhat below an average. Pastures are in excellent condition. There will be a fair crop of apples and an abundance of small fruits; worms have injured the fruit in some localities. Nearly all the good farmers are making money in improving farm stock, which finds a good market at remunerative figures. The good results attending tile drainage has had the effect to induce a large number of farmers to thoroughly drain their wet lands.

WILLIAMSON.—The excessive rain during the spring and dry weather since planting has not been favorable for corn, which does not promise but little over three-fourths of an average yield per acre; late rains have improved the crop. Sorghum cane and broom corn are improving since the rains, but are not up to an average in condition. The fall wheat crop is of medium quality; one-fourth short of an average in yield per acre. Rye promises to make an average crop. Oats have been injured by the rust in some localities; owing to the beating rains just after seeding much of the seed failed to germinate; the yield per acre will be short fully one-third. There will be over three-fourths of an average yield per acre of tobacco. Irish potatoes are nearly up to an average in condition. Meadows and pastures are in excellent condition; meadows will make more than an average yield per acre of timothy and clover hay. Considerable attention is paid to the improvement of horses, mules and hogs; not much to cattle and sheep.

WINNEBAGO.—Corn is much earlier than usual, and promises to make more than an average yield per acre; the stand has seldom been better, or the growth more rapid. Fall wheat that escaped the winter will make

more than three-fourths of an average yield per acre. Rye is nearly up to an average in condition. Spring wheat is looking well, and promises to make nearly an average yield per acre. Barley is looking well, and will make about an average yield per acre. Oats have made rapid growth during the past month, and promise to make more than an average yield per acre. Irish potatoes doing well, and are up to an average in condition. Clover meadows badly winter-killed; timothy and red-top rather light; there will not be over three-fourths of an average yield per acre of hay. More attention than formerly is given to the improvement of live stock, especially beef and dairy cattle; hogs and horses are receiving more attention than usual. But few of the leading farmers have laid any tile; they are well pleased with the results.

WOODFORD.—Corn is above an average on well-drained land and poor and weedy on low, wet lands; the condition of the crop is improving and prospects are encouraging for nearly an average yield per acre. Broom corn and sorghum cane are not up to an average in condition. Chinch bugs have injured the wheat prospects and the Fall wheat will not make more than two-thirds of an average yield per acre; the rust and chinch bugs have nearly destroyed the Spring wheat in many localities and not more than one-third of an average yield per acre will be realized. Rye and barley will not make more than three-fourths of an average crop. The growth of oats is very rank, and where the crop does not lodge, there will be over three-fourths of an average yield per acre. There will be more than an average crop of Irish potatoes and a full crop of sweet potatoes. Meadows are not up to an average; the hay crop will be slightly below an average. Pastures are in fine condition and are furnishing an abundance of feed. Fruit crops will be better than usual. Considerable attention has been given to the improvement of Norman and Clyde horses, short horn cattle, Poland China and Berkshire hogs, Southdown and Cotswold sheep. Farmers are tiling as rapidly as they can procure the means to purchase tile.

State Fair--Springfield, September 27th-October 2d, 1880.
Fat Stock Show--Chicago, Nov. 13th-20th, 1880.

CIRCULAR NO. 70.

ILLINOIS CROP PROSPECTS.

Consolidation of Reports returned to the Department of Agriculture, Aug. 2, 1880.

DEPARTMENT OF AGRICULTURE, }
August 20, 1880. }

SEASON.

The want of rain has been quite general throughout the State during the past month, and while the crops have not been seriously injured thereby, the continuance of dry weather can but result in largely reducing the prospect for corn, and preventing the growth of grass, much to the disadvantage of farm animals.

The dry weather has continued longer in the central and southern divisions of the State than elsewhere, and in some of the counties the late corn has been injured to such an extent as to give encouragement for only a small yield per acre. In some localities the wheat ground has been too dry to plow.

For further particulars concerning the weather, attention is invited to the meteorological table, published elsewhere in this report, as well as to the remarks of correspondents, which contain detailed information of the weather and its effect on the crops in all the counties in the State.

WHEAT.

The acreage of the wheat crop (spring and winter) harvested this season, is the largest on record for this state, and with the exception of the previous season, the average yield per acre has not been better during the last twenty-one years.

The crop was generally saved in good condition. The quality of winter wheat is not so uniformly good as last season, but compares favorably with that of average years. There is general complaint of the poor quality of spring wheat.

As large average yields per acre as realized last season are frequently reported.

The Fultz wheat is mentioned more frequently than other varieties in connection with large average yields per acre.

In some counties the rains early in July injured the wheat where not in stack, and the damage sustained by bleaching and sprouting, while exposed to the weather in shock will induce farmers who have suffered thereby to protect future crops by stacking the grain as soon after harvest as practicable.

The area of spring (286,264) and winter (2,970,086) wheat is 3,256,350 acres an increase over that of the previous year of 815,541 acres.

The average yield per acre of winter wheat is 18 bushels, of spring wheat 9½ bushels.

The small unprofitable yield per acre of spring wheat, reduces the average yield of the total wheat area of the state to 17½ bushels.

The present wheat crop of the State as shown in the following table is 56,508,309 bushels, an increase over that of the largest previous crop (1879) of 11,090,648 bushels.

The present crop in farmers hands is worth 82 cents per bushel, which is five cents per bushel less than paid at corresponding date in 1879.

The present crop in first hands, is worth \$46,497,160 00 and the cost for production at the rate of 10 55 per acre, is \$34,854,550 00 leaving a net profit to the wheat growers of the state of \$11,642,610 00.

The average cost of production per acre, as returned this season has been used in the following table covering the last 21 years and will not be considered too high an estimate for the period named, during which time labor saving harvesting machinery has been greatly improved, materially reducing expenses of saving the grain crops.

It will be seen by an examination of the table published elsewhere that all the items of cost of production are taken into consideration, including rent or use of land and that the present crop of wheat has been grown at a fraction over 60 cents per bushel, leaving a net profit at present prices of 20 cents per bushel.

The increased price per bushel received for wheat in 1864, 1866, 1867 and 1879 on smaller crops have returned the producer more profit than the unparalleled large yield of the present season.

In 1866 the greatest profit on the wheat crop of the state was obtained by the farmers who received \$1 93 per bushel. This crop netted \$31,933,668 00 on about half the number of bushels harvested this season.

The wheat crop during the past twenty-one years (excepting 1860, 1861, 1869, 1874, 1875 and 1876) has returned each year a reasonable profit to the producer and the favorable results attending wheat culture of late years will encourage farmers to considerably increase the acreage.

WHEAT (Spring and Winter).

Year.	Number of acres..	Average yield per acre—bushels....	Bushels produced.	Price per bushel...	Total value....	Value per acre....	*Cost per acre of production.....	Total cost of production.....	Profit	Loss.....
1860..	2,109,471	11.3	23,837,023	\$ 85	\$20,261,469	\$9 60	\$10 55	\$22,254,919	.....	\$1,993,450
1861..	2,109,471	11.3	23,837,023	71	16,924,234	8 02	10 55	22,254,919	.....	5,330,635
1862..	2,300,964	14	32,213,500	76	24,482,262	10 64	10 55	24,275,170	\$207,092	.....
1863..	2,617,347	12	31,408,163	1 05	32,978,571	12 59	10 55	27,613,011	5,365,560	.....
1864..	2,328,763	14.3	33,371,173	1 55	51,725,318	22 21	10 55	24,568,450	27,156,868	.....
1865..	2,296,977	11	25,266,745	1 09	27,541,732	12 00	10 55	24,233,107	3,308,625	.....
1866..	2,196,263	13	28,551,421	1 93	55,104,243	25 09	10 55	23,170,575	31,933,668	.....
1867..	2,456,140	11.4	28,000,000	1 97	55,160,000	22 45	10 55	25,912,277	29,247,723	.....
1868..	2,483,477	11.5	28,560,000	1 20	34,272,000	13 80	10 55	26,200,692	8,071,308	.....
1869..	2,607,142	11.2	28,200,000	76	22,192,000	8 51	10 55	27,505,348	.....	5,313,348
1870..	2,259,583	12	27,115,000	94	25,488,100	11 28	10 55	23,838,600	1,649,500	.....
1871..	2,050,081	12.3	25,216,000	1 18	29,754,880	14 51	10 55	21,628,354	8,126,526	.....
1872..	2,042,231	12	24,711,000	1 23	30,394,530	14 88	10 55	21,545,537	8,848,993	.....
1873..	2,104,963	13.5	28,417,000	1 10	31,258,700	14 84	10 55	22,207,360	9,051,340	.....
1874..	2,619,304	11.5	30,122,000	86	25,904,920	9 88	10 55	27,633,657	.....	1,728,737
1875..	2,600,000	10.5	27,300,000	91	24,843,000	9 55	10 55	27,430,000	.....	2,587,000
1876..	2,520,430	9.3	23,440,000	93	21,799,200	8 64	10 55	26,590,536	.....	4,791,336
1877..	1,977,745	16.4	32,490,556	1 15	38,002,082	19 22	10 55	20,865,210	17,136,872	.....
1878..	2,324,755	14.6	33,883,398	80	27,059,460	11 64	10 55	24,526,165	2,533,295	.....
1879..	2,440,809	18.3½	45,417,661	87	39,930,639	16 36	10 55	25,750,535	14,180,104	.....
1880..	3,256,350	17 ½	56,508,309	82	46,497,160	14 27	10 55	34,854,550	11,642,610	.....

*Estimated same as reported for 1880.

WHEAT CONSUMPTION.

The consumption of wheat and the amount required for seed in the United States is estimated by authorities to be five bushels per capita per annum, which is one half a bushel less than reported for Great Britain and some other portions of Europe.

The tenth census shows this state to have 3,083,416 inhabitants, who, upon this basis of five bushels per capita consume and require for seed annually 15,417,080 bushels leaving a surplus for export of 41,091,229 bushels.

This estimate for seed and consumption, while nearly approaching accuracy for the entire country with its large cities, densely populated districts and the extent of territory not adapted to successful wheat culture, cannot be applied to counties where wheat is extensively grown, in a number of which in this state nearly five bushels per capita are required for seed alone.

The better to illustrate the application of this estimate to some extreme counties in this State attention is invited to the counties of Cook and Montgomery.

Cook county, with 606,801 inhabitants and a wheat acreage of 4,097, requires, 987,082 bushels of wheat annually more than the 46,923 produced, while Montgomery with a population of 28,161 grows 138,611 acres of wheat yielding 3,185,859 bushels more than needed for seed and consumption.

In Montgomery county the allowance of five bushels per capita would not be sufficient to seed the acreage devoted to wheat this season, while the same allowance of five bushels to each inhabitant in Cook county would leave a large surplus over consumption, for seed in other counties making a speciality of wheat culture, and thus are the extremes of some portions of the state harmonized. In twenty seven counties in the state, there is not sufficient wheat raised for seed and consumption, while fifteen wheat counties having a surplus of over one millions of bushels of wheat each, produced this season nearly half the surplus of 41,091,229 bushels over the amount required therein for seed and consumption.

The average amount of seed used per acre in this state is about one and one half bushels and to again seed at this rate the same acreage as harvested this season (3,256,350) would require 4,884,525 bushels of the present crop leaving for consumption of the five bushels per capita allowance, 10,532,555, a fraction over 3.41 bushels for each person in the state.

OATS.

The following table gives the acreage, yield and value of the oat crop of the state since 1860. It will be seen that with the exception of six years of the period named, the crop has been grown at a loss to the producers.

The rich prairie soils induces a rank growth of straw, which is frequently prostrated by storms to such an extent as to make it impossible to save the crop.

The acreage of the present crop, 1,749,391, with three (1875, 1876, 1878,) exceptions, is the largest heretofore reported, and the average yield per acre, 35 bushels, has been exceeded but twice (1872, 1877) during the last twenty-one years.

The total yield of the state is 62,709,002 bushels, the largest, with one exception, (1875) during the period named.

The crop, at 24 cents per bushel, is worth \$12,858,247, and the cost of production at \$9 40 per acre, is \$17,375,108, or \$4,516,861 less than the crop is worth in first hands at this date.

Year.	Number of acres.	Average yield per acre—bushels.	Bushels produced.	Price per bushel—cents.	Total value.	Value per acre	*Cost per acre of production.	Total cost of production	Profit.	Loss.
1860.....	543,572	28	15,220,029	26	\$3,957,207	\$7 28	\$9 40	\$5,109,577	.....	\$1,152,370
1861.....	543,572	28	15,220,029	19	2,891,805	5 32	9 40	5,109,577	.....	2,217,772
1862.....	894,610	20	17,892,200	24	4,294,128	4 80	9 40	8,409,334	.....	4,115,206
1863.....	820,059	24	19,681,420	56	11,021,595	13 44	9 40	7,708,555	\$3,313,040	.....
1864.....	779,003	31	24,273,751	61	14,806,988	19 00	9 40	7,822,628	7,484,360	.....
1865.....	802,520	35	28,088,197	24	6,741,167	8 40	9 40	7,543,688	.....	802,521
1866.....	883,952	34	30,054,370	33	9,917,942	11 21	9 40	8,309,149	1,608,793	.....
1867.....	1,068,372	30.1	32,158,000	49	15,757,420	14 74	9 40	10,042,697	5,714,723	.....
1868.....	1,018,150	31.9	32,479,000	39	12,666,810	12 44	9 40	9,570,610	3,096,200	.....
1869.....	1,099,261	32.5	35,726,000	37	13,218,620	12 02	9 40	10,333,053	2,885,567	.....
1870.....	1,480,846	26	38,502,000	32	12,320,640	8 32	9 40	13,919,952	.....	1,599,312
1871.....	1,163,202	33.1	38,502,000	28	10,780,560	9 26	9 40	10,934,099	.....	153,539
1872.....	1,178,196	36.6	43,122,000	19	8,193,180	6 95	9 40	11,075,042	.....	2,881,862
1873.....	1,178,666	30	35,360,000	28	9,900,800	8 31	9 40	11,079,460	.....	1,178,660
1874.....	1,818,514	17.5	31,824,000	45	14,320,800	7 87	9 40	17,094,032	.....	2,773,232
1875.....	2,272,727	33	75,000,000	28	21,000,000	9 24	9 40	21,363,634	.....	363,634
1876.....	2,400,000	20	48,000,000	26	12,480,000	5 20	9 40	22,560,000	.....	10,080,000
1877.....	1,556,194	39	61,145,983	26	16,269,647	10 45	9 40	14,628,224	.....	1,641,423
1878.....	1,757,953	30.5	53,424,555	20	10,684,911	6 07	9 40	16,524,728	.....	5,839,817
1879.....	1,631,139	33.5	54,664,569	22	12,059,162	7 39	9 40	15,332,706	.....	3,273,544
1880.....	1,749,391	35	62,709,002	24	12,858,247	8 40	9 40	17,375,108	.....	4,516,861

*Estimated same as reported for 1880.

CROP REPORT.

RYE.

This crop is largely grown for late fall, winter and early spring pasturage and the returns of grain harvested and reported in the following table cover but a portion of the profit realized on the crop.

The table shows that the rye crop is uncertain when only the grain is considered and has returned a profit in only ten out of twenty-one years reported.

The partial returns of assessors for 1879 show the acreage of Rye to be 166,915 acres. The area reported by correspondents for 1879 and given in the following table is 235,073 acres which is considered by authorities to be nearer the actual extent of the crop.

The present crop of 2,737,159 bushels is valued at \$1,513,587 and the cost for production \$1,515,235.

Year.	Number of acres..	Average yield per acre - bushels....	Bushels produced.	Price per bushel..	Total value.....	Value per acre....	*Cost per acre of production....	Total cost of production	Profit	Loss.....
1860	59,455	16	951,281	49	\$466,127	\$7 87	9 80	\$582,659	.....	\$116,532
1861	59,455	16	951,281	44	323,435	5 44	9 80	582,659	.....	259,224
1862	49,066	20	981,322	43	421,968	8 60	9 80	480,847	.....	58,879
1863	55,199	16	833,190	74	653,561	11 84	9 80	540,950	\$112,611	.....
1864	56,677	15	850,071	1 01	862,822	15 22	9 80	555,376	307,446	.....
1865	51,004	16½	833,069	49	410,977	8 06	9 80	499,839	.....	88,862
1866	42,721	16 6	686,455	79	526,500	12 32	9 80	418,666	107,834	.....
1867	42,600	15	639,000	1 19	760,410	17 85	9 80	417,480	342,930	.....
1868	39,814	16 2	645,000	93	599,850	15 06	9 80	390,177	209,673	.....
1869	46,875	14 4	675,000	64	432,000	9 32	9 80	459,375	.....	27,375
1870	136,280	16 4	2,235,000	60	1,341,000	9 34	9 80	1,335,544	5,456	.....
1871	123,033	17 8	2,190,000	56	1,226,400	9 96	9 80	1,205,723	20,677	.....
1872	122,154	18 1	2,211,000	50	1,105,500	9 05	9 80	1,197,109	.....	91,609
1873	134,064	15 5	2,078,000	58	1,205,240	9 00	9 80	1,313,827	.....	108,587
1874	132,208	15 4	2,036,000	71	1,445,560	10 93	9 80	1,295,638	149,922	.....
1875	157,572	16 5	2,600,000	61	1,586,000	10 06	9 80	1,544,205	41,795	.....
1876	161,250	16	2,580,000	58	1,496,400	9 28	9 80	1,580,250	.....	83,850
1877	231,972	16	3,825,091	55	2,103,800	9 10	9 80	2,273,326	.....	169,526
1878	252,768	11	2,915,940	41	1,195,535	4 77	9 80	2,477,126	.....	1,281,591
1879	235,073	18	4,238,824	47	1,991,404	8 47	9 80	2,303,715	.....	312,311
1880	149,742	17	2,737,159	56	1,513,587	10 10	9 80	1,515,235	.....	1,648

*Estimated same as reported for 1880.

BARLEY.

This crop does not appear to be growing in favor with the farmers in this State, and an examination of the following table, giving the yield and value of the crop of late years, shows that it has not been grown with any considerable profit. The acreage of barley, as returned by the assessors for 1879, is 43,016 acres, while that based on the estimates of correspondents for the same year, and published in the following table, is 25,494 acres; the last area was estimated on the last assessment (1878) available at time of making the report. The acreage of the 1880 crop is 39,313 acres, and the crop grown thereon 998,382 bushels. The present crop is valued at \$560,703, and the cost for production is estimated at \$407,271; leaving a net profit of \$153,432 on the crop. The item \$407,271 includes remuneration for labor, use of teams, and other expenses for production. The cost of production per acre, as reported for 1880, is used in determining the expenses attending the growing of this crop for the preceding twenty years.

The area, quantity, value, etc., of the barley crop of the state since 1860 is given in the following table:

Year.	Number of acres.	Average yield per acre	Bushels produced.	Price per bushel..	Total value.....	Value per acre....	*Cost per acre of production	Total cost of production	Profit.....	Loss.....
1860.....	45,058 23		1,036,334	\$0 49	\$507,803	\$11 26	\$10 55	\$475,362	\$32,441	
1861.....	45,058 23		1,036,334	26	269,446	5 97	10 55	475,362		\$205,916
1862.....	32,657 36		1,175,651	60	705,390	21 60	10 55	344,531	360,859	
1863.....	54,775 22		1,205,042	95	1,141,790	20 81	10 55	577,876	566,914	
1864.....	50,520 22½		1,144,790	1 37	1,568,362	31 04	10 55	532,986	1,035,376	
1865.....	50,425 21		1,058,931	56½	600,943	11 91	10 55	531,994	68,949	
1866.....	41,510 25		1,037,753	68	705,672	17 00	10 55	437,930	267,742	
1867.....	44,663 22.3		996 000	1 28	1,274 880	23 52	10 55	471,195	803,685	
1868.....	37,829 25.8		976 000	1 36	1,327,360	35 08	10 55	399,096	928,264	
1869.....	59,808 20.9		1,250,000	90	1,125 000	18 81	10 55	630,974	494,026	
1870.....	111,600 20		2,232,000	62	1,383,840	12 40	10 55	1,177,380	206,460	
1871.....	80,509 25 5		2,053,000	52	1,067,560	13 26	10 55	849,370	218,190	
1872.....	79,425 26.1		2,073,000	55	1,140,150	14 35	10 55	837,944	302,206	
1873.....	99,130 23		2,280,000	95	2,166 000	21 85	10 55	1,045,821	1,120,179	
1874.....	119,302 17 2		2,052,000	97	1,990,440	16 68	10 55	1,258,636	731,804	
1875.....	113,281 25.6		2,900,000	70	2,030 000	17 92	10 55	1,195,114	834,886	
1876.....	124,293 17.7		2,200,000	50	1,100,000	8 85	10 55	1,311,291		211,291
1877.....	44,982 18.5		842,942	47	396,182	8 80	10 55	474,560		78,378
1878.....	29,301 24		703,294	56	398,844	10 19	10 55	309,125	89,719	
1879.....	25,494 22½		578,911	46	265,951	10 43	10 55	268,972		3,021
1880.....	39,313 25		998,382	56	560,703	14 26	10 55	407,271	153,432	

*Estimated same as reported for 1880.

HAY.

The hay crop was generally saved in good condition, and is of excellent quality, except where allowed to get too ripe, which was frequently the case where wheat and small grains were extensively grown, requiring all available force to save the grain harvest. There is but little change in the acreage of meadows, when compared with that of the previous year. The 1879 acreage, as reported in the table published elsewhere in this report, was returned by assessors in May last, and is somewhat larger than the acreage for 1879, given in the following table, which was based upon the estimates of correspondents of this Department. The acreage of meadows for 1880 is 2,259,857 acres; total yield, 3,486,584 tons; valued at \$22,589,691. The total cost of production of this crop is \$16,676,706; leaving a profit to the consumer of \$5,912,985. All the counties in the State, except nine, report the crop as grown with profit. The cost of production per acre, \$7 35, including use of lands, cutting and marketing the hay, as reported for this season, has been used for the years mentioned in the table. The average yield per acre of hay is larger than last season, and the total yield of the State exceeds that of 1879 by 907,848 tons. The present crop of hay is nearly all timothy, as but little clover escaped the freezing and thawing weather of the past winter and spring. The 1880 hay crop will return the producer more money than any crop harvested since 1867.

CROP REPORT.

Year.	Number of acres..	Average yield per acre—tons.....	Tons produced....	Price per ton.....	Total value.....	Value per acre...	*Cost of production per acre.....	Total cost of production.....	Profit.....	Loss.....
1860.....	1,258,548	1.41	1,774,554	\$9 90	\$17,568,084	\$13 95	\$7 35	\$9,250,328	8,317,756	.....
1861.....	1,258,548	1.41	1,774,554	9 90	17,568,084	13 95	7 35	9,250,328	8,317,756	.....
1862.....	1,348,724	1.7	2,292,831	8 00	18,342,648	13 60	7 35	9,913,121	8,429,527	.....
1863.....	1,161,707	1.5	1,742,552	11 50	20,039,348	17 25	7 35	8,538,546	11,500,802	.....
1864.....	1,444,483	1.5	2,166,725	15 33	33,215,894	23 00	7 35	10,616,950	22,598,944	.....
1865.....	1,733,380	1.5	2,600,070	9 30	24,180,651	13 95	7 35	12,740,343	11,440,303	.....
1866.....	1,591,880	1.47	2,340,063	9 27	21,692,384	13 62	7 35	11,700,318	9,992,066	.....
1867.....	1,778,000	1.5	2,667,000	9 73	25,949,910	14 59	7 35	13,068,300	12,881,610	.....
1868.....	1,905,000	1.4	2,667,000	10 00	26,670,000	14 00	7 35	14,001,750	12,668,250	.....
1869.....	1,761,006	1.59	2,800,000	9 87	27,636,000	15 69	7 35	12,943,394	14,692,606	.....
1870.....	1,605,932	1.18	1,895,000	10 74	20,352,300	12 67	7 35	11,803,600	8,548,700	.....
1871.....	1,403,053	1.31	1,838,000	10 05	18,471,900	13 16	7 35	10,312,439	8,199,461	.....
1872.....	1,428,888	1.35	1,929,000	9 47	18,267,630	12 78	7 35	10,502,327	7,765,303	.....
1873.....	1,880,000	1.25	2,350,000	8 75	20,562,500	10 93	7 35	13,818,000	6,744,500	.....
1874.....	1,860,417	1.2	2,232,500	10 49	23,418,925	12 58	7 35	13,674,064	9,744,861	.....
1875.....	2,226,277	1.37	3,050,000	9 73	29,676,500	13 33	7 35	16,363,136	7,016,864	.....
1876.....	2,500,000	1.40	3,500,000	6 68	23,380,000	9 35	7 35	18,375,000	5,005,000	.....
1877.....	2,443,360	1.65	4,044,967	5 43	21,971,368	9 99	7 35	17,958,696	4,012,672	.....
1878.....	2,368,854	1.45	4,255,471	4 70	19,994,341	8 44	7 35	17,411,077	2,583,264	.....
1879.....	2,161,760	1.20	2,578,736	6 37	16,428,012	7 60	7 35	15,888,936	539,076	.....
1880.....	2,259,857	1.5	3,486,584	6 50	22,589,691	9 75	7 35	16,676,706	5,912,985	.....

*Estimated same as reported for 1880.

CORN.

This crop is in much better condition than usual for the first of August, and excepting the previous season (1879), the prospects have not been more encouraging for a medium yield per acre since 1876, as will be seen from the following figures, which give the condition of corn at corresponding dates in all the counties of the State the last four years.

100 represents an average condition.

Year	Over 100 per cent.	100 per cent.	75 to 95 per cent.	55 to 70 per cent.	Under 50 per cent.
1877, No. counties.....	3	11	48	27	13
1878, " ".....	4	13	66	18	1
1879, " ".....	62	15	23	2	.....
1880, " ".....	18	15	59	10	.....

Corn on wet undrained land is generally weedy and in poor condition, owing to the dry weather early in the season, which prevailed in many counties in the State to such an extent as to prevent necessary cultivation. The crop, where well cultivated, is generally much in advance of former years in growth at corresponding date.

The prospects for an increased yield per acre, on land that was thoroughly cultivated and "laid by" at the proper time, are very encouraging, and will induce many corn-growers another season not to neglect the corn at the most critical period, for the grain harvest, but to employ additional help, if necessary, to give the crop thorough and seasonable culture.

The practice of "laying by" corn after grain and hay harvest is not general, and is followed by few of the successful corn-growers, who have practically demonstrated the necessity of frequent and clean culture during the limited period that intervenes between planting and previous to the time of tasseling.

The rapid growth of weeds, in corn fields not "laid by" in proper condition, during the grain and hay harvest, not only seriously injures the growing crop, but greatly increases the labor and expense of cultivation, as the height of the corn makes it necessary to use a single plow, which, when used with due care, can but break down and destroy considerable corn.

The great value of corn as a soiling crop is highly appreciated by dairymen and stock-feeders, who, each succeeding year, cultivate an increased acreage for feeding during the summer season, when the pastures usually fail.

In order to give more detailed information concerning the crop in the principal corn-growing counties, the condition on the first of August, for the last three years, is given in the following table, from which it will be seen that the counties named produced nearly by one-half the entire corn crop of the State in 1879:

Counties.	Yield in 1879, bushels.	1880 acre- age, com- pared with 1879.	Condition, compared with an average.		
			Aug. 1. 1880.	Aug. 1. 1879.	Aug. 1. 1878.
Bureau.....	5,414,076	106	105	106	92
Champaign.....	7,877,485	93	93	108	85
Christian.....	6,454,224	66	98	110	62
Fulton.....	5,620,580	103	100	108	85
Hancock.....	5,986,245	100	101	95	80
Henry.....	6,719,112	105	98	104	80
Iroquois.....	8,034,642	96	80	110	100
Knox.....	6,581,358	106	91	110	90
LaSalle.....	9,042,390	99	98	104	60
Livingston.....	11,325,840	92	62	120	52
Logan.....	6,376,356	97	82	85	81
Macoupin.....	5,327,450	85	109	96	71
McLean.....	12,560,900	97	80	108	90
Mercer.....	5,447,503	106	98	100	100
Montgomery.....	6,421,200	73	103	119	50
Ogle.....	5,050,760	100	103	103	100
Sangamon.....	5,728,968	88	102	90	75
Vermilion.....	6,324,040	93	117	113	100
Warren.....	5,249,160	105	96	110	105
Whiteside.....	5,146,400	112	102	105	86
Total.....	136,688,686				

In counties where there has not been sufficient rain since the first of August to keep the corn in vigorous condition, the prospects for corn have been reduced, from the figures given above, in proportion to the severity and continuance of the drouth.

The table published elsewhere, giving condition of corn by counties, shows that the prospect is encouraging for an average crop in thirty-four counties: five per cent. above in four counties, and ten per cent. above in two counties. In nineteen counties the condition is five per cent. below an average; ten per cent. below in seven counties; fifteen per cent. below in nine counties; twenty per cent. below in six counties; twenty-five per cent. below in five counties, and below twenty-five per cent. in five counties.

BROOM CORN.

The condition of this crop has not improved during the last month, and in thirty out of the sixty-four counties reporting the crop, the condition is up to an average; five per cent. above an average in four counties; ten per cent. above an average in three counties, and fifteen per cent. below an average in one county.

The condition is five per cent. below an average in five counties; ten per cent. below an average in seven counties; fifteen per cent. below in two counties; twenty per cent. below in three counties; twenty-five per cent. below in four counties, and below twenty-five per cent. of an average in four counties.

SORGHUM CANE.

Sorghum cane does not appear, from the reports, to have suffered to such an extent from the drouth as corn.

IRISH POTATOES.

The prospects are encouraging for an average, or better, crop of Irish potatoes in thirty-eight counties, in sixteen of which the condition indicates an average crop; thirteen counties five per cent. more than an average; five counties ten per cent. more, three counties twenty per cent. more, and one county twenty-five per cent. more than an average.

The condition is five per cent. below an average in nineteen counties; ten per cent. below in fourteen counties; fifteen per cent. below in twelve counties; twenty per cent. below in three counties; twenty-five per cent. below an average in nine counties, and more than twenty-five per cent. below an average in condition in seven counties.

SWEET POTATOES.

Sweet potatoes are in much better condition than Irish potatoes, and the table indicates an average, or better, crop in forty-eight counties, forty counties of which promise an average yield per acre; four counties five per cent. more than an average; three counties ten per cent. more than an average, and one county twenty per cent. more than an average.

The condition is five per cent. below an average in twenty-two counties; ten per cent. below in eleven counties; fifteen per cent. below in five counties; twenty per cent. below in four counties; twenty-five per cent. below in six counties, and more than twenty-five per cent. below in two counties.

TOBACCO.

Doubtless owing to the dry weather, there has been no improvement in the condition of this crop during the past month, as may be seen by comparing the present condition with that at time of making last report; the condition as reported July 1, is enclosed in parenthesis.

The condition is ten per cent. above an average in 0 (1) counties; five per cent. above in two (1) counties; an average in thirteen (14) counties; five per cent. below in five (5) counties; ten per cent. below in five (1) counties; fifteen per cent. below in three (4) counties; twenty per cent. below in two (3) counties; twenty-five per cent. below in five (2) counties, and more than twenty-five per cent. below in two (1) counties.

HEMP.

This crop is reported in one county, in which the acreage is as large as last season. The condition promises hardly two-thirds of an average yield per acre.

CASTOR BEANS.

The condition is reported an average or better in seven counties, and below an average in seven counties. The prospect is encouraging for nearly an average yield per acre in the counties where this crop is grown.

COTTON.

The crop is up to an average in but one county; ten per cent. below an average in three counties; twenty per cent. below in one county, and twenty-five per cent. below an average in one county. The report includes two counties not heretofore reported.

BUCKWHEAT.

This crop is reported as receiving more or less attention in seventy-four counties, thirty of which report the same acreage as last year; three counties five per cent. more; three counties ten per cent. more; two counties twenty-five per cent. more, and one county thirty per cent. more. The acreage is less than last season in thirty-five counties; five per cent. less in eight counties; ten per cent. less in six counties; fifteen per cent. less in six counties; twenty per cent. less in two counties; twenty-five per cent. less in seven counties, and more than twenty-five per cent. less in six counties.

Condition promises an average yield per acre in thirty-one counties; five per cent. more than an average in two counties; twenty-five per cent. more in one county, and fifty per cent. more in one county. The condition is five per cent. below an average in ten counties, ten per cent. below in eleven counties; fifteen per cent. below in seven counties; twenty per cent. below in two counties; twenty-five per cent. below in six counties, and less than twenty-five per cent. below in three counties.

TURNIPS AND OTHER ROOT CROPS.

More attention is paid to the cultivation of root crops in this State than heretofore, and eighty-five out of the one hundred and two counties in the State report the acreage and condition of these crops:

Forty-nine counties report the same acreage as last season; three counties five per cent. more, and one county twenty per cent. more; in nine counties five per cent. less acreage is reported; six counties ten per cent. less; four counties fifteen per cent. less; five counties twenty per cent. less; six counties twenty-five per cent. less, and more than twenty-five per cent. less acreage in two counties.

Condition is up to an average in thirty-six counties; five per cent. above in four counties. In ten counties the condition is five per cent. below an average; ten per cent. below in seven counties; fifteen per cent. below in six counties; twenty per cent. below in nine counties; twenty-five per cent. below in four counties, and more than twenty-five per cent. below in five counties.

BEANS.

This crop is reported in seventy-eight counties, forty of which report good prospects for an average crop; in two counties the condition is five per cent. above an average; ten per cent. above in one county, and fifteen per cent. above in one county. The condition is five per cent. below an average in ten counties; ten per cent. below in seven counties; fifteen per cent. below in seven counties; twenty per cent. below in two counties; twenty-five per cent. below in three counties, and more than twenty-five per cent. below an average in five counties.

PEAS.

This crop receives field culture in only twenty-nine counties, twenty-one of which report an average crop; four counties five per cent. below an average; one county ten per cent. below an average; one county twenty per cent. below; two counties twenty-five per cent. below an average.

ILLINOIS CROPS.

COST OF PRODUCTION.

CORN.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land...	Plowing	Harrowing ..	Laying off.....	Planting	Seed	Tending	Gathering ..	Cutting			Shelling	Marketing	Total cost
Adams	\$4 00	\$1 00	\$0 20	\$0 10	\$0 15	\$0 10	\$1 35	\$1 35	\$1 00			\$1 00	\$1 50	\$11 75
Alexander	3 00	1 00	20	20	25	10	1 35	1 30	1 00			1 00	2 50	11 90
Bond	2 20	1 05	30	20	25	10	1 45	1 05				1 70	1 35	10 40
Boone	3 60	1 00	20	10	30	15	1 30	1 60	1 00			1 75	1 05	12 05
Brown	2 75	1 00	25	20	25	10	1 65	1 20	1 00			1 00	85	10 25
Bureau	4 00	1 25	20	10	30	10	1 25	1 05				1 25	1 75	11 25
Calhoun	4 50	1 15	25	15	25	20	1 85	1 00				1 00	3 00	13 35
Carroll	3 75	1 00	30	10	35	10	1 50	1 50				95	1 75	11 30
Cass	4 40	95	20	10	20	05	95	1 25				75	1 00	9 85
Champaign	2 90	1 10	25	10	30	15	1 65	1 75				1 20	1 50	10 90
Christian	3 00	90	20	10	20	05	95	1 25				1 35	1 30	9 30
Clark	2 25	1 00	25	20	30	10	1 20	1 20				1 10	2 00	9 60
Clay	2 35	1 00	30	20	40	10	1 55	90				1 60	2 00	10 40
Clinton	3 00	1 00	25	15	25	10	1 75	85	75			1 50	60	10 21
Coles	3 25	1 00	25	15	25	10	1 35	1 30				1 25	1 25	10 01
Cook	3 50	1 25	25	15	30	10	1 65	1 15	75				1 00	10 05
Crawford	2 00	1 00	25	15	20	05	1 85	1 10	1 00			80	1 15	9 55
Cumberland	2 15	85	20	10	25	05	1 45	1 10					2 00	8 15
DeKalb	3 75	1 00	30	10	25	15	1 25	1 90				1 30	80	10 80
DeWitt	3 00	1 00	15	10	25	10	1 25	1 00				70	90	8 45
Douglas	3 25	1 05	20	10	20	05	1 60	1 25	1 00			1 00	75	10 45
DuPage	3 35	1 30	30	15	35	20	2 35	1 50	75			80	2 00	13 05
Edgar	3 25	80	20	15	20	10	1 50	1 30					1 05	8 55
Edwards	2 55	1 20	25	20	25	10	1 10	1 35					2 00	9 00
Effingham	2 50	1 00	25	15	35	10	2 00	1 75				1 35	1 85	11 30
Fayette	2 50	1 00	30	15	25	05	1 20	1 20	1 00			1 10	1 35	10 10
Ford	2 75	1 10	30	10	20	05	1 35	1 45				85	1 20	9 35
Franklin	2 00	90	25	20	25	05	1 35	95				1 50	1 00	8 45
Fulton	3 50	1 00	15	10	20	10	2 00	1 50					2 00	10 55
Gallatin	2 85	1 15	20	20	30	05	2 20	1 30				80	1 75	10 80
Greene	4 00	85	15	10	30	05	1 75	1 25	1 25			2 50	1 25	13 45
Grundy	3 75	1 00	20	15	20	10	1 20	1 10				70	1 50	9 90
Hamilton	2 10	1 00	25	25	50	10	1 60	75	75				1 20	8 50
Hancock	2 50	1 10	25	15	35	10	1 50	1 50				75	1 25	9 45
Hardin	3 00	1 00	20	25	35	10	2 00	1 15				1 00	60	9 65
Henderson	3 75	90	10	10	30	05	1 10	1 25				80	1 05	9 40
Henry	4 50	1 10	15	10	25	15	1 80	1 40				1 10	1 25	11 80
Iroquois	2 50	95	15	10	25	05	2 10	1 00				75	55	8 40
Jackson	2 75	1 10	30	25	45	15	1 85	1 75	1 00			2 00	1 75	13 35
Jasper	1 75	1 00	20	10	20	10	1 35	1 00	50			60	2 00	8 70
Jefferson	2 00	1 00	30	20	25	10	1 25	1 00	85			1 50	1 20	9 65
Jersey	3 50	1 00	20	15	20	10	1 60	2 00				1 50	1 65	11 90
JoDavies	4 50	95	25	10	20	15	1 60	1 90				1 20	2 00	12 85
Johnson	2 50	85	15	20	20	05	1 50	85				1 00	1 25	8 55
Kane	4 50	1 35	40	10	35	30	1 90	1 60				1 10	2 00	13 60
Kankakee	3 00	1 00	35	10	30	10	1 35	1 00				1 10	1 00	9 30
Kendall	4 00	1 30	40	10	35	15	1 05	1 25				90	1 30	10 80
Knox	4 00	90	20	10	25	10	1 60	1 20	1 25			1 10	1 00	11 70
Lake	3 00	1 20	20	15	30	15	1 75	2 35	85			1 40	2 00	13 35
LaSalle	4 00	1 00	25	10	25	10	1 60	1 60				85	1 50	11 25
Lawrence	3 00	1 00	25	25	15	10	1 20	1 20	1 20			80	1 50	10 65
Lee	3 75	1 00	30	15	30	10	1 30	1 30				1 00	1 00	10 20

CORN—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land...	Plowing.....	Harrowing.....	Laying off....	Planting.....	Seed.....	Tending.....	Gathering.....	Cutting.....	Shelling.....	Marketing....	Total cost.....
Livingston.....	\$3 00	\$1 20	\$0 20	\$0 10	\$0 30	\$0 05	\$0 95	\$1 10	\$1 25	\$0 85	\$1 10	\$10 10
Logan.....	3 40	1 05	25	10	30	05	1 15	1 40	.....	70	85	9 25
Macon.....	3 00	1 00	20	15	30	10	1 05	1 35	1 75	95	1 10	10 95
Macoupin.....	3 00	1 00	20	.....	30	10	1 30	1 50	.....	1 30	1 50	10 20
Madison.....	3 85	1 20	25	15	25	05	1 20	1 20	1 35	1 25	1 75	12 50
Marion.....	2 00	1 00	45	15	20	05	95	1 25	75	80	1 35	8 95
Marshall.....	4 10	1 10	20	10	20	10	1 40	1 60	.....	75	1 25	10 80
Mason.....	3 50	1 00	20	10	25	05	1 20	1 00	.....	45	75	8 50
Massac.....	4 00	1 15	25	15	15	05	3 00	1 00	.....	1 75	3 00	14 50
McDonough.....	3 50	1 00	20	10	25	10	1 75	1 05	1 00	1 25	1 00	11 20
McHenry.....	3 00	1 20	30	15	25	10	1 85	1 65	1 00	1 20	80	11 50
McLean.....	3 00	1 00	20	10	20	10	1 85	1 20	.....	90	95	9 50
Menard.....	3 50	1 00	20	10	25	05	1 50	1 10	1 00	90	1 05	10 65
Mercer.....	3 60	1 00	20	20	30	10	1 60	1 50	.....	1 00	1 50	11 00
Monroe.....	4 00	1 25	20	30	30	10	1 50	2 00	30	1 25	2 50	13 70
Montgomery.....	2 50	90	35	10	30	10	1 10	1 25	.....	1 00	1 50	9 10
Morgan.....	4 00	1 00	15	10	20	10	1 35	1 25	.....	1 50	1 00	10 65
Moultrie.....	2 65	1 00	20	10	20	05	1 50	1 25	75	80	1 00	9 50
Ogle.....	3 50	1 00	30	10	30	15	1 20	1 30	.....	95	75	9 55
Peoria.....	4 50	1 05	20	10	25	15	1 35	1 35	.....	60	1 50	11 05
Perry.....	2 50	1 00	20	15	20	10	1 35	90	.....	.....	1 75	8 15
Piatt.....	3 25	1 25	20	15	25	10	1 35	1 40	.....	60	1 65	10 20
Pike.....	4 00	1 00	35	20	35	10	1 85	1 05	.....	1 00	2 00	11 90
Pope.....	4 00	1 00	20	15	25	05	1 60	1 25	.....	1 15	1 05	10 70
Pulaski.....	3 00	1 75	50	50	20	20	2 00	1 00	.....	1 75	1 75	12 65
Putnam.....	4 00	1 00	20	10	20	10	1 20	1 10	.....	75	1 50	10 15
Randolph.....	3 60	1 00	20	25	35	10	1 20	1 50	.....	1 00	1 10	10 30
Richland.....	2 50	1 00	30	20	20	10	1 50	1 10	.....	1 05	1 50	9 45
Rock Island.....	3 65	1 30	35	15	30	10	1 85	2 00	.....	1 15	1 50	12 35
Saline.....	2 00	85	35	25	40	10	2 00	95	.....	75	75	8 40
Sangamon.....	3 50	1 10	20	15	30	10	1 15	1 50	1 00	1 00	1 50	11 50
Schuyler.....	3 00	1 10	25	10	25	05	1 50	1 05	.....	1 50	2 00	10 80
Scott.....	3 75	1 00	30	10	20	05	1 50	1 00	.....	1 45	1 25	10 60
Shelby.....	3 00	1 25	20	10	30	05	1 70	1 20	1 20	75	1 25	11 00
Stark.....	4 00	95	25	10	30	15	1 75	1 50	.....	90	1 00	10 90
St. Clair.....	4 89	1 20	45	10	30	10	2 50	1 20	1 20	1 40	2 00	15 25
Stephenson.....	3 65	95	25	10	25	10	1 05	1 75	.....	1 00	90	10 00
Tazewell.....	3 75	1 00	35	20	25	10	1 00	1 20	.....	65	70	9 20
Union.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Vermilion.....	2 85	90	15	10	20	05	1 50	1 15	75	80	1 20	9 65
Wabash.....	3 25	1 15	35	25	30	05	1 70	1 40	.....	1 50	1 00	10 95
Warren.....	3 50	1 00	25	15	30	10	1 45	1 40	2 50	1 00	1 40	13 05
Washington.....	2 50	85	20	10	25	05	1 00	75	1 25	1 05	1 15	9 15
Wayne.....	2 00	1 00	30	20	30	10	1 30	1 00	.....	85	1 40	8 45
White.....	3 00	1 00	25	25	30	05	1 50	1 20	.....	1 50	90	9 95
Whiteside.....	4 00	1 00	15	10	30	15	1 30	1 25	.....	1 00	1 00	10 25
Will.....	3 50	1 25	20	10	20	10	1 25	1 70	.....	1 25	1 50	11 05
Williamson.....	2 00	1 00	20	25	30	05	1 50	1 20	.....	1 60	1 50	9 60
Winnebago.....	3 50	1 00	20	15	30	10	1 70	1 30	.....	1 05	75	10 05
Woodford.....	3 50	1 00	25	15	20	10	1 45	1 25	.....	95	1 25	10 10

WHEAT.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land...	Plowing.....	Harrowing...	Planting.....	Seed.....	Cutting.....	Binding.....	Stacking.....	Threshing.....	Marketing.....	Total cost.....
Adams.....	\$4 00	\$1 00	\$0 20	\$0 20	\$1 00	\$0 90	\$1 00	\$0 50	\$1 15	\$0 90	\$10 85
Alexander.....	2 00	1 25	25	40	1 10	95	55	75	2 35	2 00	12 60
Bond.....	2 40	1 10	50	25	1 05	80	65	60	1 65	1 45	10 45
Boone.....	3 50	1 00	20	25	1 75	85	1 00	65	1 35	85	11 40
Brown.....	2 75	95	25	75	1 25	75	1 00	60	1 50	80	10 60
Bureau.....	4 00	1 05	30	10	2 00	60	55	40	55	45	10 00
Calhoun.....	4 50	1 00	20	35	1 30	85	1 50	65	1 15	1 50	13 00
Carroll.....	3 75	1 00	25	20	1 90	35	1 50	50	1 00	1 30	11 75
Cass.....	4 00	1 00	25	20	1 25	75	1 00	85	1 35	60	11 25
Champaign.....	90	1 10	35	35	1 30	85	75	1 70	1 80	1 15	11 25
Christian.....	00	95	35	25	1 00	55	90	60	2 00	1 35	10 95
Clark.....	2 25	1 00	35	40	1 20	80	1 00	45	1 50	80	9 75
Clay.....	2 35	1 05	40	35	1 15	65	95	60	1 85	1 10	10 42
Clinton.....	2 50	1 00	30	30	1 40	70	75	50	1 75	1 25	11 45
Coles.....	3 25	1 00	25	25	1 15	75	75	85	1 35	60	10 20
Cook.....	3 50	1 35	25	1	1 30	80	95	65	80	55	10 50
Crawford.....	2 65	1 25	35	25	1 15	60	85	35	1 00	60	9 85
Cumberland.....	2 00	85	30	40	1 45	65	65	50	1 45	55	8 80
DeKalb.....	3 95	1 00	25	15	1 85	75	90	45	1 95	25	11 30
DeWitt.....	3 00	1 00	15	20	1 50	75	85	65	90	45	8 95
Douglas.....	3 25	1 05	25	25	1 10	65	70	50	1 15	45	10 85
DuPage.....	3 00	1 25	50	25	1 50	50	1 00	75	1 50	2 00	12 25
Edgar.....	3 25	80	20	25	1 30	75	60	45	1 25	45	9 30
Edwards.....	2 80	1 25	25	50	1 25	60	55	55	1 40	1 75	10 90
Effingham.....	2 40	1 00	30	50	1 50	70	75	50	1 85	60	10 65
Fayette.....	2 50	1 00	45	25	1 25	75	50	45	1 00	60	8 15
Ford.....	2 85	1 00	25	15	1 65	70	40	35	1 50	50	9 35
Franklin.....	2 00	90	50	40	1 00	60	50	50	1 25	1 00	8 25
Fulton.....	3 50	1 00	15	25	1 50	65	70	50	2 00	50	9 65
Gallatin.....	2 85	1 45	30	30	1 00	60	95	70	1 25	75	10 15
Greene.....	4 00	85	55	20	1 15	50	1 25	90	1 25	60	11 25
Grundy.....	3 75	1 25	15	20	1 25	60	1 00	55	1 25	1 00	10 70
Hamilton.....	2 00	1 10	25	40	1 15	50	60	35	2 00	60	8 95
Hancock.....	3 00	1 25	40	40	1 50	60	75	60	1 60	1 00	11 40
Hardin.....	3 00	1 30	30	50	1 00	75	60	55	1 05	40	9 65
Henderson.....	3 75	1 00	20	10	1 40	70	70	50	90	45	9 70
Henry.....	4 50	1 00	20	10	1 65	1 00	1 00	40	1 25	40	12 10
Iroquois.....	2 50	1 00	15	30	1 45	60	75	45	1 60	45	9 25
Jackson.....	2 75	1 00	45	45	1 00	75	80	50	1 30	65	9 85
Jasper.....	1 50	1 00	25	25	1 20	50	50	40	1 50	65	6 80
Jefferson.....	2 00	1 00	25	30	1 25	70	65	60	1 50	1 05	9 65
Jersey.....	4 00	1 00	50	25	1 05	75	95	1 05	1 60	80	11 90
Jo Daviess.....	4 50	95	30	25	1 60	55	85	70	1 30	1 20	12 20
Johnson.....	2 50	85	25	30	1 00	50	50	40	50	70	7 50
Kane.....	4 50	1 35	40	60	2 00	60	80	65	1 65	1 50	15 15
Kankakee.....	3 00	1 10	35	20	1 45	65	80	55	1 45	55	10 05
Kendall.....	4 00	1 25	35	20	1 75	75	1 10	85	1 40	65	12 05
Knox.....	4 00	1 00	35	10	1 30	75	75	40	1 85	35	11 30
Lake.....	3 00	1 20	20	20	2 55	85	80	55	1 30	75	10 90
KaSalle.....	4 00	1 00	35	20	1 60	70	90	60	1 30	50	10 90
Lawrence.....	5 50	1 00	30	25	1 35	70	70	70	1 50	1 00	12 70
Lee.....	5 50	1 00	35	20	1 85	65	75	65	1 50	55	11 25

WHEAT—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land....	Plowing.....	Harrowing....	Planting.....	Seed	Cutting	Binding.....	Stacking.....	Threshing.....	Marketing.....	Total cost.....
Livingston.....	\$3 00	\$1 20	\$0 20	\$0 30	\$1 50	\$0 55	\$0 50	\$0 60	\$1 70	\$1 70	\$11 25
Logan.....	3 40	1 00	25	35	1 35	85	65	60	1 20	65	10 30
Macon.....	3 00	95	20	35	1 15	80	70	60	1 50	60	9 85
Macoupin.....	3 50	1 00	45	20	1 20	75	75	70	1 60	1 25	11 40
Madison.....	3 90	1 20	35	25	1 35	65	65	60	1 80	90	11 65
Marion.....	2 00	1 00	50	20	1 30	70	60	50	1 40	50	8 75
Marshall.....	4 10	1 10	15	20	1 35	50	60	30	1 60	1 00	10 65
Mason.....	3 50	1 10	25	30	1 20	75	65	75	95	55	10 00
Massac.....	4 00	1 15	25	40	1 00	60	60	25	50	3 00	11 75
McDonough.....	3 50	1 00	25	20	1 35	75	60	45	1 50	50	10 10
McHenry.....	3 00	1 25	35	15	1 60	75	75	65	1 20	1 00	10 70
McLean.....	3 00	1 00	25	20	1 50	75	85	40	1 85	60	10 40
Menard.....	3 50	1 00	20	35	1 00	80	85	70	1 45	45	10 30
Mercer.....	3 60	95	35	15	1 55	80	80	35	1 25	40	10 20
Monroe.....	5 00	1 75	25	30	1 00	75	75	75	1 10	2 30	13 95
Montgomery.....	2 50	1 00	55	50	1 15	75	60	85	1 50	50	9 90
Morgan.....	4 00	1 00	30	25	1 30	75	75	1 30	1 25	60	11 50
Moultrie.....	2 50	1 00	25	25	1 20	70	1 30	65	1 50	40	9 75
Ogle.....	3 50	1 00	30	15	1 80	55	80	65	1 25	45	10 45
Peoria.....	4 50	1 05	30	20	1 55	75	60	25	1 20	60	11 00
Perry.....	3 00	1 00	45	25	1 30	50	45	60	1 50	50	9 55
Platt.....	3 25	1 25	40	30	1 20	85	1 00	60	1 25	55	10 65
Pike.....	4 00	1 00	50	30	1 15	90	1 00	65	1 95	1 50	12 95
Pope.....	3 35	1 00	20	40	1 00	50	65	40	1 00	75	9 25
Pulaski.....	3 00	1 50	50	20	1 25	80	80	40	1 25	1 00	10 70
Putnam.....	4 00	80	20	10	1 25	55	65	40	1 25	65	9 85
Randolph.....	4 10	1 30	30	40	95	55	65	80	1 50	95	11 50
Rickland.....	2 50	1 25	35	40	1 25	65	65	55	1 35	1 00	9 95
Rock Island.....	3 65	1 00	45	40	1 85	75	90	55	1 50	60	11 45
Saline.....	2 00	85	20	30	1 25	50	50	35	1 25	50	7 70
Sangamon.....	3 50	1 10	50	40	1 25	85	1 00	75	1 75	50	11 60
Schuyler.....	3 00	1 20	25	20	1 50	55	75	45	80	1 30	10 00
Scott.....	3 75	1 00	30	35	1 10	60	1 30	65	1 20	95	11 20
Shelby.....	3 00	1 25	20	15	1 20	70	1 25	60	1 60	1 00	10 95
Stark.....	4 00	1 00	35	25	1 50	70	90	50	1 50	75	11 45
St. Clair.....	5 00	2 25	80	25	1 00	60	1 00	1 00	1 50	85	14 25
Stephenson.....	3 65	95	15	25	1 75	50	1 00	60	1 25	55	10 65
Tazewell.....	3 75	1 00	25	35	1 15	50	75	65	1 75	70	10 85
Union.....											
Vermilion.....	2 75	90	15	40	1 25	1 00	85	80	1 25	80	10 15
Wabash.....	3 50	1 20	35	40	1 00	80	60	50	1 15	55	10 05
Warren.....	3 50	1 00	25	15	1 40	70	90	60	1 60	55	10 65
Washington.....	3 00	1 00	30	30	1 25	75	50	60	1 20	75	9 65
Wayne.....	2 50	1 25	50	40	1 35	70	70	55	1 00	65	9 60
White.....	3 00	1 00	20	30	1 00	50	50	75	1 30	70	9 25
Whiteside.....	4 00	1 00	20		1 50	75	50	35	1 50	35	10 15
Will.....	3 50	1 25	15	25	1 80	65	75	55	1 25	1 00	11 15
Williamson.....	2 00	1 00	30	35	1 00	65	60	65	1 15	85	8 40
Winnebago.....	2 50	1 00	20	15	1 80	60	90	50	1 45	65	10 75
Woodford.....	3 50	1 00	25	20	1 50	75	50	50	1 25	50	9 95

HAY.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land ...	Harrowing.....	Planting.....	Seed	Cutting	Stacking.....	Marketing	Total cost
Adams	\$4 00	\$0 20	\$0 20	\$0 30	\$0 80	\$0 75	\$2 50	\$8 75
Alexander	3 00	20	30	60	60	1 25	1 50	7 45
Bond	2 30	25		75	70	70	1 50	6 20
Boone	3 50				60	80	3 00	7 90
Brown	2 25	20		50	65	85	1 00	5 45
Bureau	4 00	20	10	35	60	50	1 75	7 50
Calhoun	4 50			35	85	2 00	1 85	9 20
Carroll	4 00				25	50	1 50	6 25
Cass	3 40	40	25	75	80	1 20	3 35	10 15
Champaign	2 70				65	90	1 50	5 75
Christian	2 75	25			50	1 40	2 10	7 00
Clark	2 25		1 00	40	60	85	2 25	7 35
Clay	2 35	50		15	60	1 00	1 75	6 35
Clinton	2 75	30	25	65	45	60	1 00	6 00
Coles	3 25	25	10	20	60	1 00	1 75	7 15
Cook	3 00				60	65	3 35	7 60
Crawford	2 15	25	10	30	50	75	2 00	6 05
Cumberland	1 65			15	60	60	2 00	5 00
DeKalb	3 90	25		50	50	85	1 50	7 50
DeWitt	3 00				55	80	2 00	6 35
Douglas	3 50	20	20	30	50	55	1 00	6 25
DuPage	3 20				50	75	6 00	10 45
Edgar	2 85	20	20		60	1 10	1 85	7 00
Edwards	3 00	50			85	85	2 00	7 20
Efingham	2 50				50	85	2 25	6 10
Fayette	2 00	45	50	40	60	85	1 75	6 55
Ford	2 60				60	80	1 30	5 30
Franklin	1 85	30		40	60	60	1 50	5 25
Fulton	3 50				50	1 10	2 50	7 60
Gallatin	3 35	30	10	55	60	1 75	2 75	9 40
Greene	5 00				50	2 00	1 00	8 50
Grundy	3 50				60	55	2 00	6 65
Hamilton	1 50			30	50	40	1 00	3 70
Hancock	2 75			50	65	85	2 00	6 75
Hardin	3 00	30	30	80	1 50	70	1 25	7 85
Henderson	3 85				60	70	2 65	7 80
Henry	4 65			50	60	1 00	2 30	9 05
Iroquois	2 50		30	35	60	50	1 85	6 10
Jackson	2 65	40	20	50	75	60	2 00	7 10
Jasper	1 50	45	20	45	50	55	2 00	5 65
Jefferson	2 00	30	20	50	60	60	1 35	5 55
Jersey	3 60		10	25	50	1 00	3 50	8 95
JoDavies	3 20	15	20	80	50	80	2 00	7 65
Johnson	2 50	15			40	1 00	3 00	7 05
Kane	3 50				60	70	2 00	6 80
Kankakee	3 00				50	75	1 35	5 60
Kendall	4 00	25	10	75	70	70	2 50	9 00
Knox	3 75	20	15	55	75	1 00	1 30	7 70
Lake	3 00			15	60	60	3 00	7 35
LaSalle	4 00	30		75	60	50	2 50	8 65
Lawrence	2 65	25	20	80	60	75	1 35	6 60

HAY—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land....	Harrowing.....	Planting.....	Seed		Cutting	Stacking.....	Marketing.....	Total cost, ...
Lee.....	\$3 35			\$0 20		\$0 50	\$1 35	\$2 25	\$7 65
Livingston.....	3 15					75	60	2 50	7 00
Logan.....	3 15		\$0 10	75		70	1 00	1 75	7 45
Macon.....	3 00			75		50	1 20	3 50	8 95
Macoupin.....	3 00			75		45	70	1 75	6 65
Madison.....	4 00	\$0 25	20	25		85	1 20	3 35	10 10
Marion.....	2 00	50	20			65	50	75	4 60
Marshall.....	4 25					75	1 50	5 00	11 50
Mason.....	3 50	25	30	75		70	75	3 00	9 25
Massac.....	2 00	25	35	90		65	75	2 00	6 90
McDonough.....	3 50					75	1 00	2 00	7 25
McHenry.....	3 00	50	25	50		60	65	1 10	6 60
McLean.....	3 00	40	10	50		60	65	2 25	7 50
Menard.....	3 50	20	20	50		60	75	2 00	7 75
Mercer.....	3 50					65	70	3 00	7 85
Monroe.....	4 00					1 00	50	4 00	9 50
Montgomery.....	2 50		10	75		60	1 00	1 75	6 70
Morgan.....	4 00					85	1 50	4 00	10 35
Moultrie.....	2 95					55	1 00	2 00	6 50
Ogle.....	3 25			50		60	90	2 25	7 50
Peoria.....	4 50					50	1 35	2 50	8 85
Perry.....	2 50					70	95	2 00	6 15
Piatt.....	3 00			50		85	1 40	1 60	7 35
Pike.....	4 00					50	75	2 00	7 25
Pope.....	3 00	25	35	75		40	45	1 50	6 70
Pulaski.....	2 50	50	15			75	1 50	2 00	7 40
Putnam.....	4 00			85		60	1 00	1 50	7 95
Randolph.....	3 75	25	30	50		75	1 00	2 50	9 05
Richland.....	2 35		20	50		60	80	2 50	6 95
Rock Island.....	3 70					60	1 00	2 80	8 10
Saline.....	2 00	20		1 00		60	1 00	1 35	6 15
Sangamon.....	4 25		05	30		75	1 45	4 15	10 95
Schuyler.....	3 00		10	40		45	75	2 00	6 70
Scott.....	3 50		10	50		75	60	1 00	6 45
Shelby.....	2 50	25	15	45		65	75	3 00	7 75
Stark.....	3 50	30	10	75		60	70	1 60	7 55
St. Clair.....	5 00	25		25		75	1 00	5 00	12 25
Stephenson.....	3 35			15		35	75	1 75	6 35
Tazewell.....	3 50	25	25	65		50	85	1 70	7 70
Union.....									
Vermilion.....	2 50	30	30	45		65	1 00	1 45	6 65
Wabash.....	2 75		15	45		75	1 25	1 75	7 10
Warren.....	3 00	10	05	15		70	90	2 35	7 25
Washington.....	2 15		10	40		60	60	2 00	5 85
Wayne.....	2 00	35	20	60		85	1 00	1 50	6 50
White.....	2 50	15	15	40		75	1 00	1 35	6 30
Whiteside.....	4 00					50	1 00	1 00	6 50
Will.....	3 50					65	65	2 00	6 80
Williamson.....	2 00	25	35	25		60	85	2 50	6 80
Winnebago.....	2 50	15	10	70		50	80	1 85	6 60
Woodford.....	3 25			50		60	85	2 75	7 95

OATS.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land....	Plowing.....	Harrowing...	Planting.....	Seed.....	Cutting.....	Binding.....	Stacking.....	Threshing...	Marketing.....	Total cost.....
Adams.....	\$4 00	\$1 00	\$20	\$15	\$55	\$75	\$50	\$50	\$80	\$1 45	\$9 90
Alexander.....	2 00	1 00	20	25	75	45	50	80	1 65	75	8 35
Bond.....	2 10	85	40	25	50	75	55	70	1 35	85	8 30
Boone.....	2 50	1 00	20	25	90	85	1 00	75	1 85	60	10 90
Brown.....	2 75	85	25	40	55	70	1 00	70	1 25	1 00	9 45
Bureau.....	4 00	1 15	30	10	70	50	45	50	1 65	1 50	9 85
Calhoun.....	4 50	40	20	40	75	1 00	2 00	1 00	1 50	...	11 75
Carroll.....	3 75	1 00	25	15	85	35	1 50	90	1 00	1 50	10 85
Cass.....	3 60	75	25	15	65	75	95	80	1 55	95	10 10
Champaign.....	2 90	1 10	25	40	60	80	75	80	1 80	1 05	9 75
Christian.....	2 50	85	15	15	45	50	90	1 40	1 80	75	7 45
Clark.....	2 25	75	35	25	40	65	85	40	1 60	85	9 05
Clay.....	2 00	1 00	30	25	50	60	95	1 00	1 10	65	8 45
Clinton.....	3 00	1 00	25	25	60	55	65	40	1 25	60	9 25
Coles.....	3 00	1 00	25	15	50	75	75	1 00	1 05	1 50	11 35
Cook.....	3 50	1 35	35	25	95	80	95	65	1 05	50	6 50
Crawford.....	2 15	1 00	20	15	60	50	50	30	1 85	30	7 80
Cumberland.....	1 85	1 00	25	30	60	60	60	45	2 75	50	10 95
DeKalb.....	3 50	1 00	25	15	90	70	75	45	1 00	60	9 20
DeWitt.....	3 00	1 00	20	20	55	75	85	1 05	1 10	50	8 60
Douglas.....	3 15	1 00	20	20	55	60	70	60	1 45	1 75	11 60
DuPage.....	3 35	1 30	45	40	90	55	75	70	1 25	60	8 50
Edgar.....	2 85	80	20	10	55	70	60	85	80	1 50	9 20
Edwards.....	2 55	1 15	30	60	80	55	40	55	1 90	60	8 85
Effingham.....	2 50	1 00	30	35	55	60	55	55	95	75	7 40
Fayette.....	2 00	1 00	30	15	55	60	55	55	95	85	8 50
Ford.....	2 75	1 10	35	10	70	65	60	45	1 00	75	6 90
Franklin.....	2 00	85	20	15	50	60	50	35	1 25	1 00	10 05
Fulton.....	3 50	1 00	20	10	65	60	1 35	40	1 20	65	10 55
Gallatin.....	3 35	1 25	35	50	80	60	1 20	65	1 00	50	11 75
Greene.....	5 00	1 00	1 00	...	75	50	1 00	1 00	1 00	1 65	10 80
Grundy.....	3 75	1 00	25	15	85	60	1 00	55	1 15	65	6 80
Hamilton.....	1 50	1 00	25	20	60	50	60	35	1 25	1 00	8 90
Hancock.....	2 75	90	35	30	60	60	75	40	1 00	50	8 20
Hardin.....	3 00	1 00	25	25	35	75	50	60	55	1 05	9 35
Henderson.....	3 85	90	20	10	60	75	75	60	1 65	1 05	12 60
Henry.....	4 45	1 05	20	10	80	90	1 65	75	1 60	50	8 40
Iroquois.....	2 50	1 00	15	30	65	55	70	45	1 70	95	9 25
Jackson.....	2 65	1 00	45	20	75	75	45	35	1 00	75	6 50
Jasper.....	1 50	1 00	20	15	55	50	45	40	1 10	1 00	7 65
Jefferson.....	2 00	1 00	30	15	60	55	55	40	1 20	1 00	9 15
Jersey.....	3 00	1 00	25	15	60	75	60	60	1 60	1 55	10 60
JoDavies.....	3 20	95	25	20	75	55	80	75	1 15	40	6 65
Johnson.....	2 50	85	15	...	40	45	45	30	1 50	1 35	11 65
Kane.....	4 00	1 35	35	25	80	55	80	70	1 20	60	9 25
Kankakee.....	3 00	1 00	35	20	85	65	75	65	1 25	1 45	11 15
Kendall.....	4 00	1 00	35	20	90	55	85	60	1 50	90	10 25
Knox.....	4 00	1 00	25	10	60	75	75	60	1 70	1 15	10 25
Lake.....	3 00	1 20	25	15	90	60	75	55	95	75	10 05
LaSalle.....	4 00	1 00	30	15	80	70	90	50	1 80	2 00	9 25
Lawrence.....	2 15	1 00	25	15	60	50	75	55	...	...	...

OATS—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land....	Plowing.....	Harrowing.....	Planting.....	Seed.....			Cutting.....	Binding.....	Stacking.....	Threshing.....	Marketing.....	Total cost.....
Lee.....	\$3 35	\$1 00	40	35	70			\$60	\$75	90	\$1 60	\$60	\$9 90
Livingston.....	3 15	95	45	35	75			70	55	55	1 40	95	9 80
Logan.....	3 20	85	25	10	75			95	90	80	1 05	60	9 45
Macon.....	3 00	1 00	20	20	60			75	60	65	1 65	60	9 25
Macoupin.....	3 00	1 00	25	20	65			70	55	65	1 30	75	9 05
Madison.....	3 85	1 15	25	10	45			75	50	50	1 35	1 45	10 35
Marion.....	2 00	1 00	45	15	50			70	60	45	1 60	60	6 95
Marshall.....	4 25	1 00	15	05	75			75	85	60	1 75	1 50	11 65
Mason.....	3 05	90	25	20	55			75	65	75	1 25	60	8 95
Massac.....	4 00	1 00	25	35	30			80	80	35	50	2 00	10 35
McDonough.....	3 50	1 00	30	20	75			70	65	50	1 50	80	9 90
McHenry.....	3 00	1 10	35	15	65			60	80	80	1 35	1 00	9 65
McLean.....	3 00	1 00	30	15	60			65	80	45	1 80	85	9 60
Menard.....	3 50	1 00	20	15	75			85	85	65	1 35	55	9 85
Mercer.....	3 60	90	20	20	75			75	70	40	1 30	85	9 65
Monroe.....	4 00	1 00	20	25	1 00			80	75	75	1 60	1 75	12 10
Montgomery.....	2 50	1 00	25	10	50			70	65	50	1 25	35	7 80
Morgan.....	4 00	75	20	15	80			75	75	1 30	1 50	60	10 80
Moultrie.....	2 65	85	20	15	50			55	95	75	1 50	50	8 60
Ogle.....	3 50	1 00	25	15	75			55	85	75	1 30	75	9 85
Peoria.....	4 50	1 00	25	15	85			65	75	25	1 35	1 40	11 15
Perry.....	3 00	1 00	25	10	75			50	60	50	1 60	1 00	9 30
Piatt.....	3 50	1 25	30	20	55			75	90	80	1 45	95	10 65
Pike.....	4 00	1 00	35	25	80			60	75	1 00	2 25	1 75	12 75
Pope.....	2 75	50	25	15	50			50	50	45	1 00	75	7 20
Pulaski.....	2 50	1 00	50	15	30			75	75	1 00	1 25	75	8 95
Putnam.....	4 00	75	20	25	75			50	65	1 00	1 50	85	10 45
Randolph.....	3 00	1 05	20	30	95			80	60	60	1 85	75	10 10
Richland.....	2 15	1 00	30	20	50			60	65	55	1 35	1 00	8 30
Rock Island.....	3 70	1 05	40	20	80			75	90	65	1 60	75	10 80
Saiine.....	2 00	85	20	25	25			35	35	25	80	75	6 05
Sangamon.....	3 50	1 10	35	25	45			80	85	30	1 50	70	10 10
Schuyler.....	3 00	1 20	30	20	65			55	70	40	1 85	1 50	9 35
Scott.....	3 50	1 00	20	20	60			50	1 40	60	1 00	1 00	10 00
Shelby.....	2 50	1 25	30	20	50			70	1 00	80	1 60	1 30	10 15
Stark.....	4 00	90	35	10	75			70	95	50	1 45	1 05	10 75
St. Clair.....	4 50	1 10	20	25	65			75	75	75	1 80	95	11 70
Stephenson.....	3 65	95	15	25	70			50	1 05	55	1 50	65	9 95
Tazewell.....	3 50	1 00	30	25	75			50	75	75	1 50	70	10 00
Union.....													
Vermilion.....	2 50	85	20	15	75			80	85	50	1 20	1 25	9 05
Wabash.....	2 50	1 00	30	10	85			80	65	50	1 00	85	8 55
Warren.....	3 45	95	25	15	75			70	95	50	1 60	1 00	10 30
Washington.....	2 75	85	20	25	85			60	60	55	85	50	8 00
Wayne.....	2 00	1 00	35	15	55			60	55	65	1 00	1 00	7 85
White.....	2 00	1 00	30	20	60			60	50	50	1 00	50	7 20
Whiteside.....	5 00	1 00	1 20		60			75	60	40	1 40	35	11 30
Will.....	3 50	1 25	20	10	75			75	75	60	1 00	1 00	9 90
Williamson.....	2 00	1 00	20	30	30			65	60	65	75	80	7 25
Winnebago.....	3 50	1 00	20	15	75			60	95	50	1 75	70	10 10
Woodford.....	3 25	80	25	15	85			75	75	65	1 40	1 95	10 80

RYE.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land.....	Plowing.....	Harrowing.....	Planting.....	Seed	Cutting	Binding.....	Stacking.....	Threshing	Marketing	Total cost.....
Adams.....	\$4 00	\$1 00	\$0 20		\$ 60			\$ 40	\$1 00	\$0 90	\$9 35
Alexander.....	3 00	1 00	30	\$ 30	1 00			1 50	1 40	1 35	11 10
Bond.....											
Boone.....	3 50	1 00	20	25	1 10		75	90	1 35	55	10 25
Brown.....	2 75	85	25	60	65		75	1 00	1 40	1 00	10 05
Bureau.....	4 00	1 15	30	10	1 05		60	65	70	85	9 90
Calboun.....	5 00	40	20	40	1 00	1 00	2 00	1 00	2 00	1 00	14 00
Carroll.....	3 75	1 00	25	15	1 35		40	1 50	80	1 75	11 45
Cass.....	3 25	1 00	30	20	80		85	1 00	1 35	60	10 10
Champaign.....	2 90	1 10	35	50	85		80	75	1 35	1 10	11 05
Christian.....	3 00	85	25	20	65		55	90	2 00	95	10 75
Clark.....	2 70	1 10	40	40	80		80	1 10	1 35	70	9 75
Clay.....	2 00	1 00	35	40	60		75	1 20	1 75	2 00	10 75
Clinton.....	3 00	90	20	15	60		50	50	1 50	75	8 60
Coles.....	3 00	1 00	25	20	65		75	75	1 00	50	8 95
Cook.....	3 00	1 20	40	25	1 00		1 05	1 05	1 20	1 30	11 00
Crawford.....											
Cumberland.....	2 25	75	35	50	75		75	75	1 30	85	8 85
DeKalb.....	3 25	1 00	25	15	1 20		65	95	2 40	50	10 85
DeWitt.....	3 00	1 00	20	20	80		75	75	1 00	60	9 55
Douglas.....	3 25	1 00	20	25	75		60	70	1 25	50	9 10
DuPage.....	3 00	1 25	50		1 30		50	1 00	1 75	2 00	12 05
Edgar.....											
Edwards.....											
Effingham.....	2 50	1 25	20	15	60		55	60	1 50	1 10	9 15
Fayette.....	2 00	1 00	30	20	70		60	60	1 80	65	7 35
Ford.....	2 50	1 00	25	10	70		65	35	1 00	1 00	7 90
Franklin.....											
Fulton.....	3 50	1 00	20	25	85		50	1 40	1 00	75	9 95
Gallatin.....	2 50	1 25	30	50	75		50	1 00	1 20	75	9 40
Greene.....											
Grundy.....	3 50	1 25	25	15	1 25		75	1 25	1 00	1 75	11 65
Hamilton.....	2 00	75	25	40	60		50	75	1 00	20	6 10
Hancock.....	3 00	75	25		90		75	1 00	1 00	65	9 05
Hardin.....	3 00	1 00	25	25	50	1 00	50	75	1 00	50	8 75
Henderson.....	3 75	1 00	20	10	80		75	75	1 10	55	9 55
Henry.....	4 45	1 10	20	10	95		90	1 60	1 25	80	11 90
Iroquois.....	2 35	95	20	30	80		50	75	1 60	45	8 35
Jackson.....	3 00	1 00	50	30	70		60	65	1 20	1 70	10 15
Jasper.....	1 50	1 00	25	20	1 00		60	60	1 00	50	7 15
Jefferson.....	2 00	1 00	25	30	75		75	50	90	1 00	8 05
Jersey.....											
JoDavless.....	2 50	85	30	20	85		85	85	1 65	1 00	9 90
Johnson.....	2 50	1 00	30	20	50		75	75	1 60	1 00	9 35
Kane.....	4 00	1 35	40	25	1 15		60	80	1 40	1 65	12 30
Kankakee.....	3 00	1 00	35	20	80		70	80	1 65	50	9 60
Kendall.....	4 00	1 00	50	15	1 10		75	85	2 00	60	11 95
Knox.....	3 75	1 00	40	20	80		70	75	1 50	55	10 15
Lake.....	3 00	1 25	20	25	95		60	85	1 75	1 00	10 45
LaSalle.....	4 00	95	30	20	95		90	90	1 20	75	10 65
Lawrence.....	2 00	75	25	10	50		50	20	90	1 25	6 85

RYE—Continued

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land....	Plowing	Harrowing.....	Planting	Seed	Cutting	Binding.....	Stacking.....	Threshing	Marketing.....	Total cost
Lee	\$3 50	\$1 00	\$0 35	\$0 15	\$0 65	\$0 60	\$0 75	\$0 65	\$1 50	\$0 55	\$9 70
Livingston.....	3 00	1 25	55	35	75	55	55	60	1 55	1 10	10 25
Logan.....	3 25	80	20	15	70	85	80	60	1 30	80	9 45
Macon	3 00	1 00	20	20	60	75	70	60	1 95	55	9 55
Macoupin.....											
Madison.....	4 50	1 70	35	20	70	60	80	1 00	1 85	1 25	12 95
Marion.....	2 00	1 00	50	15		60	60	50	60	75	6 70
Marshall.....	4 25	1 00	15	05	90	75	75	60	1 50	1 50	11 45
Mason	3 00	1 10	25	40	70	75	1 00	75	1 40	65	10 00
Massac											
McDonough.....	3 35	1 00	30	20	75	65	70	45	2 00	75	10 15
McHenry	3 00	1 10	35	15	75	55	65	55	95	95	9 00
McLean	3 00	1 00	30	15	75	70	90	50	1 50	50	9 30
Menard	3 00	1 00	25	20	55	80	70	85	1 15	55	9 05
Mercer	3 65	95	15	20	1 50	65	65	60	1 00	55	9 90
Monroe	4 50	1 35	20	25	80	1 00	75	1 00	1 50	1 05	12 40
Montgomery.....	2 50	1 00	40	10	60	70	70	50	1 50	50	8 50
Morgan	4 00	1 00	15	25	50	75	75	1 00	1 25	50	10 15
Moultrie.....	2 50	75	15	10	50	70	85	70	1 50	45	8 20
Ogle.....	3 50	1 00	25	15	75	55	90	75	1 25	50	9 60
Peoria.....	4 50	1 05	30	10	95	65	75	30	1 15	1 00	10 75
Perry.....	2 00	1 00	40	30	75	60	60	60	2 40	2 00	10 65
Piatt.....	3 50	1 30	30	20	65	75	90	90	1 00	85	10 35
Pike	4 00	1 00	25	25	75	75	75	1 00		1 00	9 75
Pope											
Pulaski											
Putnam	4 00	75	20		85	50	60	85	1 15	80	9 70
Randolph.....	2 50	1 25	25	30	80	75	25	50	2 50	1 50	10 60
Richland.....	2 50	1 00	25	20	65	60	50	70	1 00		7 40
Rock Island.....	3 60	1 20	35	20	85	75	90	70	1 55	65	10 75
Saline.....	2 00	85	70	25	60	50	50	30	75	60	7 05
Sangamon.....	3 50	1 00	15	25	70	85	75	50	1 25	55	9 50
Schuyler.....	3 00	1 00	20	20	75	60	80	35	1 05	1 00	8 95
Scott.....	3 50	1 00	20	20	40	75	1 50	75	1 00	1 00	10 30
Shelby.....	2 50	1 00	35		1 00	1 00	1 00	1 00	2 00	50	10 35
Stark	4 00	1 00	35	10	90	70	1 00	40	1 75	70	10 90
St. Clair.....											
Stephenson.....	3 65	95	15	25	85	50	1 00	65	1 55	60	10 15
Tazewell.....	3 50	1 00	25	30	70	50	75	75	1 50	70	9 95
Union.....											
Vermilion.....	2 50	1 00	30	10	75	75	85	75	1 15	1 00	9 15
Wabash.....											
Warren.....	3 50	1 00	30	15	90	65	65	50	1 50	95	10 10
Washington.....	2 75	1 00	25	30	80	75	75	50	1 00	50	8 60
Wayne.....											
White	1 50	1 00	35	35	1 00	75	60	70	1 25	50	8 00
Whiteside.....	5 00	1 00	20		1 15	60	50	30	1 50	75	11 00
Will.....	3 50	1 25	15	15	1 25	75	75	55	1 05	75	10 15
Williamson.....											
Winnebago.....	3 50	1 00	20	20	85	50	85	45	1 60	85	10 00
Woodford.....	3 25	1 00	25	15	1 00	75	60	55	1 45	1 00	10 00

BARLEY.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land.....	Plowing.....	Harrowing.....	Planting.....	Seed.....	Cutting.....	Binding.....	Stacking.....	Threshing.....	Marketing.....	Total cost.....
Adams.....	\$4 00	\$1 00	\$ 20		\$ 50	\$ 75	\$ 50	\$ 30	\$ 70	\$1 00	\$8 95
Alexander.....	3 00	1 00	30	30	1 00	75	50		1 15	1 60	9 60
Bond.....											
Boone.....	3 85	1 00	20	25	1 10	75	1 00	95	1 20	60	10 90
Brown.....											
Bureau.....	4 00	1 50	40	10	1 00	60	50	50	1 05	85	10 50
Calhoun.....											
Carroll.....	3 75	1 00	30	15	1 10	40		1 00	85	1 60	10 15
Cass.....	3 50	75	25	30	1 25	75	1 00	75	2 00	75	11 30
Champaign.....											
Christian.....	2 00	65	20	20	80	50	1 20	1 20	1 80	75	9 30
Clark.....											
Clay.....											
Clinton.....											
Coles.....					1 05						
Cook.....	3 00	1 00	25		1 05	1 10		1 10	1 00	60	9 10
Crawford.....											
Cumberland.....											
DeKalb.....	3 25	1 00	25	15	1 25	60	80	1 40	2 00	35	11 05
DeWitt.....											
Douglas.....											
DuPage.....	3 00	1 25	50		1 80	50	1 00	75	1 50	2 00	12 30
Edgar.....											
Edwards.....											
Effingham.....											
Fayette.....											
Ford.....	2 50	1 20	30		1 50	65	45	50	1 00	1 00	9 10
Franklin.....											
Fulton.....											
Gallatin.....											
Greene.....											
Grundy.....	4 50	1 50	25	15	1 50	50	1 20	50	1 00	1 75	12 85
Hamilton.....											
Hancock.....											
Hardin.....											
Henderson.....											
Henry.....	4 35	1 15	15	10	1 35	1 35	2 00	45	1 60	75	13 25
Iroquois.....	2 65	95	15	30	85	55	1 10	45	1 40	70	9 10
Jackson.....	3 00	1 00	50	30	50	60	60	50	1 60	2 30	10 90
Jasper.....											
Jefferson.....											
Jersey.....											
Jo Daviess.....	2 50	50	15	20	1 50	50	75	75	1 50	1 25	9 60
Johnson.....											
Kane.....	4 00	1 35	40	25	1 00	60	80	70	1 40	1 50	12 00
Kankakee.....	3 00	1 00	50	20	1 00	80	1 00	80	2 00	65	10 95
Kendall.....	4 00	1 00	50	15	1 00	75	85	1 00	2 00	60	11 85
Knox.....	4 00	85	30	10	75	75	50	60	1 50	2 35	11 70
Lake.....	3 00	1 25	20	25	1 30	60	75	60	1 50	1 00	10 45
LaSalle.....	4 00	1 10	35	10	90	1 00	1 00	50	1 20	1 00	11 15
Lawrence.....	2 00	75	25	10	75	50	30	60	1 80	1 25	8 30

BARLEY—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land..	Plowing.....	Harrowing....	Planting.....	Seed.....	Cutting.....	Binding.....	Stacking.....	Threshing.....	Marketing....	Total cost.....
Lee.....	\$3 50	\$1 00	\$ 35	\$ 25	\$1 10	\$ 60	\$ 75	\$1 00	\$1 65	\$ 60	\$10 80
Livingston.....											
Logan.....	4 00	1 00	50	15	1 80	1 10		1 50	1 50	50	12 05
Macon.....	3 00	1 00	30	25	80	50		1 00	2 00	70	9 55
Macoupin.....											
Madison.....	4 50	1 70	35	20	1 20	60	75	1 00	1 75	1 25	13 30
Marion.....	2 00	1 00	50	15		60		50			
Marshall.....											
Mason.....											
Massac.....											
McDonough.....											
McHenry.....	2 40	1 10	40	25	55	75	50	35	40	50	7 20
McLean.....	3 00	1 00	20	30	1 00	30	70	75	1 75	40	9 40
Menard.....											
Mercer.....											
Monroe.....	4 00	1 25		20	1 00	90	75	85	1 75	1 00	11 70
Montgomery.....	2 50	1 00	35	10	1 00	70	45	50	1 50	30	8 40
Morgan.....											
Moultrie.....	3 00	75	15	40	70	70	75	65		1 60	8 70
Ogle.....	3 50	1 00	25	15	90	55	80	80	1 30	65	9 90
Peoria.....											
Perry.....											
Piatt.....	3 50	1 00	30	30	90	75	95	75	2 00	80	11 25
Pike.....											
Pope.....											
Pulaski.....											
Putnam.....											
Randolph.....	2 50	1 25	25	30	1 00	75	25	50	2 50	1 50	10 80
Richland.....											
Rock Island.....	3 60	1 20	35	20	1 55	75	90	75	1 85	70	11 85
Saline.....											
Sangamon.....											
Schuyler.....	2 50	1 25	25	20	90	75	60	25	85	60	8 15
Scott.....											
Shelby.....											
Stark.....	4 00	1 00	40	10	80	65	1 50	40	1 60	85	11 30
St. Clair.....	4 50	2 00		25	1 25	50	2 00	1 50	3 50	1 50	17 00
Stephenson.....	3 65	95	15	25	1 05	50	1 50	45	1 40	60	10 50
Tazewell.....	4 00	1 00	25	20	1 00	50	50	75	1 40	35	9 95
Union.....											
Vermilion.....											
Wabash.....											
Warren.....	3 75	1 00	15		1 00	65	65	50	1 45	1 50	10 65
Washington.....											
Wayne.....											
White.....											
Whiteside.....	4 00	1 25	25		1 25	50		70	1 50	75	10 20
Will.....	3 00	1 25	20	25	1 00	65	75	60	1 05	85	9 60
Williamson.....											
Winnebago.....	3 50	75	10		1 00	50	1 00	60	1 15	50	9 15
Woodford.....	3 25	90	25		1 00	75	70	50	1 35	1 00	9 70

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land...	Plowing	Harrowing	Laying off	Planting	Seed	Tending	Gathering										Marketing	Total cost
Adams.....	\$4 65	\$1 00	\$0 20	\$0 10	\$0 60	\$2 00	\$1 90	\$2 00										\$3 20	\$15 65
Alexander.....	3 00	1 00	20	20	1 60	3 10	3 25	3 50										3 50	18 35
Bond.....	2 35	85	20	15	50	7 00	3 10	2 00										3 50	19 65
Boone.....	3 75	1 00	20		2 75	2 15	2 00	7 00										3 10	23 95
Brown.....	2 90	90	15	20	75	3 00	1 90	2 50										5 00	17 30
Bureau.....	4 00	1 25	25		2 00	3 30	2 00	4 50										1 50	19 10
Calhoun.....	5 00	50	20	10	1 00	5 50	1 50	3 00										5 00	21 80
Carroll.....	4 00	1 00	25		4 00	2 40	5 00	10 00										5 00	31 65
Cass.....	4 10	1 00	20	20	1 20	5 45	2 80	3 35										4 00	22 30
Champaign.....	2 80	1 10	35	50	2 30	3 75	3 75	3 20										3 35	20 10
Christian.....	4 50	90	25	20	1 50	3 50	1 30	3 50										3 50	19 15
Clark.....	3 90	1 00	30	25	1 65	4 30	1 75	4 00										4 00	21 15
Clay.....	2 85	1 05	40	20	1 05	2 65	2 00	3 35										3 85	17 40
Clinton.....	3 00	1 25	20	25		6 00	1 50	5 00										5 00	22 20
Coles.....	3 50	1 00	25	15	1 45	2 75	1 75	3 25										3 00	17 10
Cook.....	4 00	1 00	15		1 00		3 00	3 00										5 00	17 15
Crawford.....	3 00	1 00	25	45	40	4 00	1 50	3 00										4 00	17 80
Cumberland.....	2 00	1 00	30	10	1 00	2 25	1 50	3 00										3 00	14 15
DeKalb.....	3 50	1 00	20	15	2 00	5 00	2 50	6 25										2 75	23 35
DeWitt.....	3 00	1 00	20	25	1 00	3 00	1 25	4 00										1 50	15 20
Douglas.....	4 00	1 25	25	20	1 00	3 55	2 25	4 00										2 00	18 50
DuPage.....	4 00	1 35	50		2 00	5 00	3 00	6 00										10 00	31 85
Edgar.....	3 75	80	20	10	1 35	2 85	1 55	2 90										2 15	15 65
Edward.....	2 75	1 40	30	10	1 35	2 85	2 00	3 00										2 75	16 50
Effingham.....	2 75	1 00	25	55	2 00	5 15	1 85	5 00										3 35	21 90
Fayette.....	2 75	1 00	30	20	2 00	3 80	5 00	4 00										4 00	23 05
Ford.....	2 50	1 00	30	10	2 60	2 50	1 10	4 00										5 00	19 10
Franklin.....	2 00	1 00	20	20	1 25	4 00	2 50	4 00										1 00	16 15
Fulton.....	3 00	75	20	25	1 50	3 00	1 00	4 00										2 00	15 70
Gallatin.....	3 00	1 45	30	20	1 50	2 50	3 50	3 85										3 50	19 80
Greene.....	5 00	1 00	1 00	25	50	4 00	1 50	2 00										2 00	17 25
Grundy.....	3 75	1 25	20	10	1 45	2 70	1 30	4 00										4 00	18 75
Hamilton.....	2 00	1 25	25	25	1 75	4 55	1 25	8 00										3 00	22 30
Hancock.....	3 50	1 00	25	35	1 50	3 50	4 00	4 00										5 50	23 60
Hardin.....	3 85	1 25	40	25	1 15	3 50	1 75	3 65										2 65	18 45
Henderson.....	3 75	90	10	15	1 50	2 35	2 40	3 75										3 65	18 55
Henry.....	4 30	1 05	20	15	85	3 50	2 00	5 65										3 00	20 70
Iroquois.....	3 00	1 00	20	10	2 00	8 00	1 00	5 00										5 00	25 30
Jackson.....	2 50	1 00	45	20	1 50	3 50	2 15	5 15										7 50	23 95
Jasper.....	1 50	1 00	20	35	1 50	2 00	2 00	3 00										4 00	15 55
Jefferson.....	2 25	1 00	40	15	1 20	2 75	2 00	3 00										4 50	17 25
Jersey.....	4 00	1 00	35	10	1 25	4 00	2 25	4 00										4 00	20 95
JoDaviss.....	2 25	75	15	30	2 25	2 00	2 25	4 50										4 25	18 70
Johnson.....	3 00	1 35	40	25	1 00	2 75	2 50	3 00										4 00	18 25
Kane.....	4 00	1 35	40	25	2 15	2 50	2 65	5 00										4 25	22 55
Kankakee.....	3 00	1 00	30	50	2 50	3 85	5 00	5 35										4 50	26 00
Kendall.....	4 00	1 00	25	20	2 00	3 60	2 50	4 35										4 00	21 90
Knox.....	3 65	90	35	20	2 90	3 15	2 25	4 60										2 00	19 50
Lake.....	3 00	1 25	20	55	2 00	3 00	3 00	4 50										4 00	21 40
LaSalle.....	4 00	1 00	20	15	1 85	3 50	1 70	5 00										4 00	21 40
Lawrence.....	3 50	1 00	25	20	1 00	4 00	1 50	4 00										3 00	18 45

IRISH POTATOES—Continued.

COST PER ACRE—CULTIVATION, ETC.

Counties	Use of land...	Plowing.....	Harrowing....	Laying off.....	Planting.....	Seed.....	Tending.....	Gathering.....					Marketing.....	Total cost.....
Lee.....	\$3 25	\$1 00	\$2 25	\$2 20	\$1 20	\$2 75	\$2 80	\$4 65					\$3 25	\$18 35
Livingston.....	3 50	1 35	20	60	2 75	3 20	3 85	4 50					3 50	22 45
Logan.....	3 50	1 00	30	25	1 10	4 50	3 25	4 00					3 00	19 80
Macon.....	3 00	1 00	30	20	2 25	4 00	3 00	4 00					3 00	20 75
Macoupin.....	4 00	1 00	30	15	1 25	3 00	2 00	3 25					5 00	19 95
Madison.....	4 00	1 25	30	20	70	4 95	1 20	3 30					3 50	19 30
Marion.....	2 00	1 00	50	30	35	3 00	3 00	2 00					3 00	15 15
Marshall.....	4 25	1 00	15	65	1 65	3 00	1 10	6 00					4 35	22 15
Mason.....	3 00	1 25	30		1 50	6 00	1 25	3 00					4 00	20 30
Massac.....	3 50	1 00	25	30	50	2 40	3 00	1 50					1 00	13 45
McDonough.....	4 00	1 00	25	10	1 00	2 00	5 00	5 00					4 00	22 35
McHenry.....	3 00	1 25	35	15	1 10	3 75	3 25	4 00					3 00	19 85
McLean.....	3 00	1 00	25	25	1 70	3 70	3 00	5 50					5 50	23 90
Menard.....	3 51	1 00	20	20	60	5 50	3 00	5 00					5 00	24 00
Mercer.....	3 65	90	20		1 10	3 00	1 65	4 50					5 50	20 50
Monroe.....	4 50	1 10	20	20	65	1 95	1 25	3 00					10 00	22 85
Montgomery.....	2 50	1 00	25	30	2 00	5 00	2 00	3 00					3 00	19 05
Morgan.....	4 00	1 00	30	50	2 00	3 50	2 00	5 00					3 00	21 30
Moultrie.....	3 50	1 00	20	30	2 40	5 50	1 60	5 00					2 50	22 00
Ogle.....	4 00	1 00	30	15	2 00	2 80	1 75	5 00					3 75	20 75
Peoria.....	4 50	1 00	20	25	2 50	4 00	1 50	4 50					8 00	26 45
Perry.....	4 00	1 00	20	10	2 00	3 50	3 00	4 50					4 50	22 80
Piatt.....	3 25	1 25	20	25	1 05	2 05	1 85	3 85					3 50	17 25
Pike.....														
Pope.....	3 50	2 00	50	25	1 65	2 80	1 75	5 00					6 85	24 30
Pulaski.....	3 00	1 75	40	15	60	3 00	2 50	4 00					4 00	19 40
Putnam.....	4 00	1 00	25	25	1 75	3 00	2 00	4 50					3 00	19 75
Randolph.....	5 50	1 35	25	30	2 75	6 50	5 00	5 00					10 00	36 65
Richland.....	3 00	1 25	35	15	2 00	3 30	1 85	3 00					4 00	18 90
Rock Island.....	3 80	1 35	45	30	2 60	3 10	2 30	4 80					4 00	22 70
Saline.....	2 00	1 00	50	30	1 00	3 00	2 00	2 00					5 00	16 80
Sangamon.....	4 00	1 00	20	10	1 50	4 00	2 00	6 00					5 00	23 80
Schuyler.....	3 00	1 00	20		1 50	4 50	2 00	6 00					3 35	21 55
Scott.....	3 50	1 00	20	50	60	3 00	3 75	5 00					3 00	20 55
Shelby.....	2 00	1 00	25	20	1 75	3 25	1 65	5 50					2 75	18 35
Stark.....	4 00	1 00	20	20	1 50	4 25	1 75	4 00					4 00	20 90
St. Clair.....	6 00	1 75	80	15	2 25	2 50	3 75	3 75					5 00	25 95
Stephenson.....	3 75	95	25		2 25	2 60	1 25	7 50					3 75	22 30
Tazewell.....	4 00	1 00	45	20	1 35	5 85	2 50	4 65					4 00	24 00
Union.....														
Vermilion.....	2 75	1 00	15	20	1 00	4 50	2 75	4 50					4 50	21 35
Wabash.....	3 00	1 40	50	25	70	2 65	3 00	2 75					3 00	17 25
Warren.....	3 50	1 00	25	80	1 85	4 50	1 85	4 35					5 00	23 10
Washington.....	4 00	1 00	20	15	1 50	4 50	1 50	3 75					3 00	19 60
Wayne.....	2 35	1 35	50	35	1 25	3 25	3 35	3 50					3 50	19 40
White.....	4 00	1 75	45	20	2 45	3 35	1 50	5 00					3 00	20 65
Whiteside.....	5 00	1 00	10	50	2 00	2 40	2 00	6 00					4 00	23 00
Will.....	3 50	1 25	20	35	1 45	3 50	2 50	5 00					3 00	20 75
Williamson.....	2 50	1 00	20	20	1 00	3 50	1 85	3 25					6 00	19 60
Winnebago.....	3 50	1 25	25	15	2 00	2 25	2 75	5 00					2 75	19 90
Woodford.....	3 00	75	10	1 00	2 00	3 00	3 50	4 00					2 50	19 85

FLAX.

COST PER ACRE—CULTIVATION, ETC.

Counties.	Use of land...	Plowing	Harrowing	Planting	Seed	Cutting	Stacking	Threshing	Marketing	Total cost.....
Adams										
Alexander										
Bond				\$ 25	\$1 35	\$ 85	\$ 75	\$1 50	\$ 50	\$10 30
Boone	\$3 75	\$1 00	\$ 35							
Brown										
Bureau										
Calhoun										
Carroll										
Cass		1 15	25	50	1 40	85	75	2 25	60	10 55
Champaign	2 80	85	20	20	55	60	1 00	2 50	35	8 75
Christian	2 50									
Clark				25	55	85	65	2 00	65	8 25
Clay	2 00	90	40							
Clinton										
Coles						60	50	80	60	9 10
Cook	3 25	1 50	25	25	1 35					
Crawford				25	75		50	2 50	45	9 20
Cumberland	2 50	1 00	50	15	1 10	75	1 00	2 00	40	10 60
DeKalb	3 85	1 00	25							
DeWitt			50	35	50	75	75	1 25	60	8 95
Douglas	3 00	1 25	50			60	70	1 35	1 00	10 75
DuPage	3 50	1 40	55		1 65					
Edgar										
Edwards				40	1 50	75	80	1 50	1 00	10 35
Effingham	2 75	1 50	15							
Fayette				15	90	60	45	1 20	30	7 85
Ford	2 80	1 10	35	20	50	60		1 50	80	6 70
Franklin	2 00	90	20							
Fulton										
Gallatin										
Greene				15	1 45	75	50	1 50	1 25	10 60
Grundy	3 50	1 25	25	40	60	50	30	1 00	15	5 95
Hamilton	2 00	75	25							
Hancock										
Hardin										
Henderson				10		1 75	50	2 00	50	11 25
Henry	5 00	1 25	15	30	70	65	35	80	30	7 70
Iroquois	3 50	95	15	30		50				
Jackson	3 00	1 00	50	15	60	50	50	1 75	40	6 60
Jasper	1 50	1 00	20							
Jefferson										
Jersey				20	1 50	50	1 50	3 00	1 00	10 85
Jo Daviess	2 50	50	15							
Johnson				30	1 00	50	80	3 50	1 25	13 40
Kane	4 50	1 30	25	25	1 00	85	70	1 50	70	8 60
Kankakee	2 25	1 00	35							
Kendall										
Knox				20	1 15	75	75	1 20	60	9 95
Lake	3 85	1 25	20	50	70	1 00	1 00	2 50	50	12 30
LaSalle	4 50	1 00	60							
Lawrence	3 00	75	25	75						

FLAX—Continued.

COST PER ACRE—CULTIVATION, ETC.

[illegible]

ACREAGE AND CONDITION.

QUINCES.....	Average condition August 2.	87
BLACKBERRIES.....	Average yield.....	76
GRAPEs.....	Average condition August 2.	98
PLUMs.....	Average condition August 2.	75
PEARs.....	Average condition August 2.	103
PEACHES.....	Average condition August 2.	91
APPLEs.....	Average condition August 2.	95
FIELD BEANs.....	Average condition August 2.	50
FIELD PEAs.....	Average condition August 2.	100
TURNIPS AND OTHER ROOT CROPS.....	Average condition August 2.	90
BUCKWHEAT...	Average compared with 1879.	80
SWEET POTATOES	Average condition August 2.	95
IRISH POTATOES	Average compared with 1879.	100
PASTUREs.....	Average condition August 2.	100
CASINO BEANs.	Average condition August 2.	96
TOBACCO.....	Average condition August 2.	100
COTTON.....	Average condition August 2.	75
FLAX.....	Average condition August 2.	90
SORGHUM.....	Average condition August 2.	96
BROOM CORN...	Average condition August 2.	95
CORN.....	Average condition August 2.	85

Counties.	Adams	Alexander	Bond	Boone	Brown	Bureau	Calhoun	Carroll	Cass	Champaign	Christian	Clark	Clay	Clinton	Coles	Cook	Crawford	Cumberland	DeKalb	DeWitt	Douglas	DuPage	Edgar	Edwards	Effingham	Fayette	Ford	Franklin	Fulton	Gallatin	Greene	Grundy	Hamilton	Hancock	Hardin	Henderson	Henry	Iroquois	Jackson	Jasper	Jefferson	Jersey	JoDaviess	Johnson	Kane	Kankakee	Kendall	Knox	Lake	LaSalle	Lawrence	Lee																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
	85	91	75	108	75	105	100	100	87	93	98	86	62	78	100	101	93	88	114	88	100	105	106	92	96	62	78	80	100	45	106	86	83	101	76	105	98	80	83	91	98	101	90	108	67	89	91	101	93	86	108																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	90	100	100	101	80	100	95	100	100	100	102	100	50	102	103	93	93	75	110	90	100	95	100	90	85	87	90	93	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

FARM CROPS—Continued.

ACREAGE AND CONDITION.

Counties.	CROPS															
	QUINCES.....	BLACKBERRIES.....	GRAPES.....	PLUMS.....	PEACHES.....	APPLES.....	FIELD BEANS.....	FIELD PEAS.....	TURNIPS AND OTHER ROOT CROPS.....	BUCKWHEAT.....	SWEET POTATOES.....	IRISH POTATOES.....	PASTURES.....	CASTOR BEANS.....	TOBACCO.....	COTTON.....
	Average condition August 2.	Average yield.....	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.	Average condition August 2.
Livingston.....	62	75	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Logan.....	82	75	94	100	100	100	100	100	100	100	100	100	100	100	100	100
Macon.....	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
Macoupin.....	109	112	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Madison.....	91	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100
Marion.....	87	110	110	105	100	100	100	100	100	100	100	100	100	100	100	100
Marshall.....	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
Mason.....	76	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
Massac.....	90	95	95	95	95	95	95	95	95	95	95	95	95	95	95	95
McDonough.....	76	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90
McHenry.....	115	100	97	100	100	100	100	100	100	100	100	100	100	100	100	100
McLean.....	80	75	92	100	100	100	100	100	100	100	100	100	100	100	100	100
Menard.....	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mercer.....	98	95	98	100	100	100	100	100	100	100	100	100	100	100	100	100
Monroe.....	88	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100
Montgomery.....	103	100	98	100	100	100	100	100	100	100	100	100	100	100	100	100
Morgan.....	111	110	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Moultrie.....	98	96	95	102	100	100	100	100	100	100	100	100	100	100	100	100
Ogle.....	103	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Peoria.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Perry.....	58	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Platt.....	93	100	93	100	100	100	100	100	100	100	100	100	100	100	100	100
Pike.....	98	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Pope.....	60	60	80	100	100	100	100	100	100	100	100	100	100	100	100	100
Pulaski.....	96	99	99	100	100	100	100	100	100	100	100	100	100	100	100	100
Putnam.....	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Randolph.....	81	75	82	100	100	100	100	100	100	100	100	100	100	100	100	100
Richland.....	93	90	80	100	100	100	100	100	100	100	100	100	100	100	100	100
Rock Island.....	99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Saline.....	95	70	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Sangamon.....	102	105	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Schuyler.....	88	95	97	100	100	100	100	100	100	100	100	100	100	100	100	100
Scott.....	77	75	75	100	100	100	100	100	100	100	100	100	100	100	100	100
Shelby.....	100	100	95	100	100	100	100	100	100	100	100	100	100	100	100	100
Stark.....	96	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
St. Clair.....	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Stephenson.....	101	100	100	90	100	100	100	100	100	100	100	100	100	100	100	100
Tazewell.....	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Union.....	95	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Vermilion.....	117	110	106	100	100	100	100	100	100	100	100	100	100	100	100	100
Wabash.....	73	81	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Warren.....	96	102	101	100	100	100	100	100	100	100	100	100	100	100	100	100
Washington.....	50	50	50	100	100	100	100	100	100	100	100	100	100	100	100	100
Wayne.....	68	100	88	100	100	100	100	100	100	100	100	100	100	100	100	100
White.....	60	61	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Whiteside.....	102	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Will.....	103	100	110	100	100	100	100	100	100	100	100	100	100	100	100	100
Williamson.....	62	55	68	100	100	100	100	100	100	100	100	100	100	100	100	100
Winnebago.....	96	115	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Woodford.....	77	80	80	100	100	100	100	100	100	100	100	100	100	100	100	100

Hemp acreage, 60; condition, 100.

WINTER WHEAT.

Counties.	Average 1879, returned by assessors.	*Per cent. of increase or decrease	Acreage 1880.....	Yield per acre in bushels.....	Total yield in bushels.....	Price per bushel..	Value of crop.....	Cost of production per acre.....	Total cost of production.....	Profit on crop.....	Loss on crop.....
Adams.....	67,242	94	63,611	13	826,943	\$0 87	\$719,440	\$10 85	\$690,179	\$29,261	.....
Alexander.....	7,498	106	7,948	13	103,324	87	89,892	12 60	100,145	.....	\$10,253
Anderson.....	28,357	114	32,327	20	646,540	80	517,232	10 45	337,817	179,415	.....
Boone.....	888	130	1,159	22	25,498	87	22,183	11 40	13,213	8,970	.....
Bowling.....	21,045	115	24,202	20	484,040	80	387,232	10 60	256,541	130,691	.....
Breathitt.....	1,884	85	660	7	4,620	95	4,389	10 00	6,600	.....	2,211
Brown.....	17,217	109	18,897	27	510,219	84	428,584	13 00	245,661	182,923	.....
Buckner.....	9,461	82	7,805	25	195,125	1 00	195,125	11 75	91,709	103,416	.....
Bullitt.....	18,506	112	20,831	17	354,127	81	286,843	11 25	234,349	52,494	.....
Burke.....	15,818	124	19,712	20	394,240	83	327,219	11 25	221,760	105,459	.....
Calloway.....	54,159	152	82,321	25	2,058,025	81	1,667,000	10 95	901,415	765,585	.....
Carter.....	37,924	135	51,197	15	767,955	83	637,403	9 75	499,171	138,232	.....
Cass.....	21,609	150	32,413	16	518,608	80	414,886	10 45	338,716	76,170	.....
Cecilia.....	74,762	114	85,228	18	1,534,104	83	1,273,306	11 45	975,860	297,446	.....
Cedar.....	26,941	123	33,272	20	665,440	81	539,006	10 20	369,374	199,632	.....
De Kalb.....	221	105	232	19	4,408	87	3,835	10 15	2,355	1,480	.....
Daviess.....	37,987	125	47,636	14	666,904	80	533,523	9 05	431,106	102,417	.....
De Witt.....	23,803	118	28,400	13	369,206	82	302,744	8 80	249,920	52,824	.....
Dickinson.....	300	36	108	20	2,160	82	1,771	11 50	1,242	529	.....
Dodd.....	5,096	170	8,713	17	148,121	82	121,459	9 45	82,338	39,121	.....
Douglas.....	8,346	281	33,477	19	446,063	80	356,850	9 35	219,510	137,340	.....
Dyer.....	344	91	316	10	3,160	84	2,654	12 25	3,871	.....	1,217
Edmonson.....	33,220	142	47,339	17	804,763	83	667,953	9 30	440,253	227,700	.....
Elliott.....	22,951	114	26,164	13	340,132	80	272,106	10 90	285,188	.....	13,082
Englewood.....	39,053	120	46,863	14	656,082	81	531,426	10 10	473,316	58,110	.....
Eschscholtz.....	48,288	118	56,980	16	911,680	84	765,811	8 75	498,575	267,236	.....
Etowah.....	502	58	295	10	2,950	84	2,478	9 35	2,758	.....	280
Fayette.....	26,955	105	28,303	10	283,030	76	215,103	8 65	244,821	.....	29,718
Fleming.....	24,786	148	36,807	20	736,140	80	588,912	10 75	395,675	193,237	.....
Floyd.....	19,217	110	21,139	14	295,946	83	245,635	10 15	214,561	31,074	.....
Franklin.....	50,893	114	58,018	24	1,392,432	88	1,225,340	11 25	652,702	572,638	.....
Fulton.....	303	26	80	10	800	84	672	11 00	880	.....	208
Gallatin.....	28,308	130	36,800	11	404,800	77	311,696	8 95	329,360	.....	17,664
Gibson.....	26,966	103	27,953	16	447,248	89	398,051	11 10	310,278	87,773	.....
Giles.....	4,116	117	4,815	9	43,335	82	35,535	9 45	45,502	.....	9,967
Glenn.....	7,096	58	4,119	9	37,071	90	33,364	9 70	39,954	.....	6,590
Grant.....	1,179	41	4,484	10	4,840	1 00	4,840	11 50	5,566	.....	726
Greene.....	4,712	95	4,510	17	76,670	75	57,502	9 25	41,717	15,785	.....
Griffin.....	49,906	103	51,403	9	462,627	80	370,102	9 65	496,039	.....	125,937
Hammond.....	21,190	120	25,428	16	406,848	80	325,473	7 75	197,067	128,411	.....
Hancock.....	47,823	115	54,996	14	769,944	76	585,157	9 30	511,463	73,694	.....
Harrison.....	49,349	104	51,747	26	1,345,422	81	1,089,792	11 95	618,377	471,415	.....
Jefferson.....	5,298	164	8,689	14	121,646	95	115,564	12 20	106,006	9,558	.....
Jones.....	18,522	110	20,374	8	162,992	82	133,653	7 50	152,805	.....	19,152
Kane.....	230	89	205	16	3,280	90	2,952	14 05	2,880	.....	72
Kanawha.....	1,452	159	2,309	15	34,635	85	29,440	10 10	23,321	6,119	.....
Kearney.....	175	81	142	15	2,130	95	2,023	12 30	1,746	277	.....
Kent.....	3,810	136	5,182	18	82,912	83	68,817	10 85	56,225	12,592	.....
Knox.....	31	70	22	21	462	95	439	11 40	251	188	.....
Kuykendall.....	1,164	45	529	10	5,290	1 00	5,290	11 15	5,898	.....	608
Letcher.....	38,192	115	43,921	14	614,894	81	498,064	11 00	483,131	14,933	.....

WINTER WHEAT—Continued.

Counties.	Acreage 1879, re- turned by asses- sors.....	*Per cent. of in- crease or decrease	Acreage 1880.....	Yield per acre in bushels.....	Total yield in bush- els.....	Price per bushel..	Value of crop.....	Cost of production per acre.....	Total cost of pro- duction.....	Profit on crop.....	Loss on crop.....
Lee.....	1,934	33	643	10	6,430	\$2 84	\$5.401	\$11 25	\$7,234		\$1,300
Livingston..	10,181	232	23,701	21	497,721	80	398,177	10 30	244,120	\$154,057	
Logan.....	15,166	150	22,802	22	501,644	83	416,364	9 85	224,600	191,764	
Macoupin...	99,129	115	114,424	26	2,975,024	83	2,469,270	11 40	1,304,434	1,164,836	
Madison.....	117,980	120	141,576	25	3,539,400	86	3,043,884	11 65	1,649,360	1,394,524	
Marion.....	37,221	103	38,524	20	770,480	81	624,089	8 75	337,085	287,004	
Marshall....	986	62	621	18	11,178	87	9,725	10 65	6,614	3,111	
Mason.....	*8,056	117	9,456	19	179,664	82	147,324	10 75	94,560	52,764	
Massac.....	19,846	105	20,838	8	166,704	88	146,699	11 75	244,846		98,157
McDonough..	11,242	89	10,073	17	171,211	80	136,993	10 10	101,737	35,256	
McHenry.....	531	112	597	22	13,134	94	12,346	10 70	6,338	5,958	
McLean.....	6,545	177	11,635	20	232,700	88	204,776	10 40	121,004	83,772	
Menard.....	13,518	140	18,947	19	359,993	78	280,794	10 30	195,154	85,640	
Mercer.....	1,613	24	392	5	1,960	75	1,470	10 20	3,998		2,300
Monroe.....	50,787	123	62,468	26	1,624,168	80	1,299,334	13 95	871,428	427,906	
Montgomery	86,426	160	138,611	24	3,326,664	80	2,661,331	9 90	1,872,249	1,289,082	
Morgan.....	41,178	149	61,603	19	1,170,457	80	936,366	11 50	708,434	227,932	
Moultrie....	12,550	155	19,452	19	369,588	81	299,366	9 75	189,657	109,709	
Ogle.....	5,277	110	5,807	21	121,947	92	112,191	10 45	60,683	51,508	
Peoria.....	5,307	110	5,838	16	93,408	86	80,531	11 00	64,218	16,113	
Perry.....	33,964	109	37,279	11	410,069	83	340,357	9 55	356,014		15,300
Piatt.....	8,246	97	7,999	19	151,981	84	127,664	10 65	85,189	42,475	
Pike.....	89,923	116	105,048	20	2,100,960	99	2,079,950	12 95	1,360,372	719,578	
Pope.....	16,128	117	18,870	10	188,700	90	169,830	9 25	174,547		4,717
Putlaski....	12,112	102	12,354	8	98,832	87	85,984	10 70	132,188		46,300
Putnam.....	536	66	354	11	3,894	80	3,115	9 85	3,487		373
Randolph....	80,602	110	88,662	14	1,241,268	82	1,017,840	11 50	1,019,613		1,700
Richland....	34,721	119	41,561	9	374,049	81	302,980	9 95	413,532		110,500
Rock Island.	987	25	255	12	3,060	99	3,029	11 45	2,920	109	
Saline.....	19,305	110	21,235	9	191,115	77	147,158	7 70	163,509		16,300
Sangamon...	39,606	143	56,859	23	1,307,757	80	1,046,206	11 60	659,564	386,642	
Schuyler....	24,047	143	34,575	16	553,200	82	453,624	10 00	345,750	107,874	
Scott.....	23,966	97	23,462	24	563,088	78	439,209	11 20	262,774	176,435	
Shelby.....	41,968	148	62,112	22	1,366,464	80	1,093,171	10 95	680,126	413,045	
Stark.....	359	28	103	15	1,545	1 00	1,545	11 45	1,179	366	
St. Clair....	124,182	104	129,149	20	2,532,980	83	2,143,873	14 25	1,840,373	303,500	
Stephenson..	9,436	86	8,138	21	170,898	80	136,718	10 65	86,670	50,048	
Tazewell....	15,326	132	20,883	20	407,660	80	326,128	10 85	221,155	104,973	
Union.....	25,157	111	27,940	12	335,280	75	251,460	*10 55	294,767		43,300
Vermilion...	29,308	203	59,507	20	1,190,140	87	1,035,422	10 15	603,996	431,426	
Wabash.....	25,385	106	27,085	10	270,850	82	222,097	10 05	272,204		50,100
Warren.....	1,735	76	1,326	13	17,238	86	14,825	10 65	14,122	703	
Washington.	83,021	99	82,813	18	1,490,634	75	1,117,975	9 65	799,145	318,830	
Wayne.....	36,245	122	44,400	13	577,200	77	444,444	9 60	426,240	18,004	
White.....	53,976	112	60,453	10	604,530	79	477,579	9 25	559,190		81,600
Whiteside...	2,845	22	640	5	3,200	95	3,040	10 15	6,496		3,490
Will.....	769	95	732	11	8,052	1 00	8,052	11 15	8,162		110
Williamson..	23,479	113	26,531	9	238,779	75	179,084	8 40	222,860		43,700
Winnebago..	1,720	147	2,541	16	40,656	90	36,590	10 75	27,316	9,274	
Woodford...	4,292	84	3,631	16	58,096	80	46,477	9 95	36,128	10,349	
Total	2,463,894	120	2,970,086	18	53,865,505	82	\$44,457,428	10 55	\$31,766,558	\$13,448,984	\$758,111

*Less acreage plowed up.

†Estimated.

SPRING WHEAT.

Counties.	Acreage 1879, returned by assessors	Per cent. of increase or decrease	Acreage 1880.	Yield per acre in bushels	Total yield in bushels	Price per bushel.	Value of crop.	Cost of production per acre.	Total cost of production	Profit on crop.	Loss on crop.
Adams	336	+100	336	+9½	3,192	76	\$2,426	\$10 85	\$3,646		\$1,220
Alexander	43	+100	43	+9½	408	76	310	12 60	542		232
Anderson	3,323	105	3,489	9	31,401	77	24,179	11 40	39,775		15,596
Bacon	87	+100	87	8	696	76	529	10 60	922		393
Bell	18,492	98	18,122	7	126,854	82	104,020	10 00	181,220		77,200
Bethlehem	6,502	83	5,397	8	43,176	90	38,858	11 75	63,415		24,557
Bethlehem	636	120	763	+9½	7,248	76	5,508	11 25	8,584		3,076
Bethlehem	852	+100	852	+9½	8,094	76	6,151	11 25	9,585		3,434
Bethlehem	1,260	97	1,222	+9½	11,609	76	8,823	10 95	13,381		4,558
Bethlehem	14	+100	14	+9½	133	76	101	9 75	136		35
Bethlehem	1,039	+100	1,039	+9½	9,870	76	7,501	11 45	11,896		4,595
Bethlehem	235	+100	233	11	2,563	76	1,948	10 20	2,377		429
Bethlehem	3,716	104	3,865	11	42,515	80	34,012	10 15	39,230		5,218
Bethlehem	24	+100	24	+9½	228	76	173	8 80	211		38
Bethlehem	7,952	87	6,918	7	48,426	65	31,479	11 50	79,557		48,078
Bethlehem	3,128	95	2,972	6	17,832	76	13,552	9 45	28,085		14,538
Bethlehem	342	95	324	5	1,620	60	972	9 35	3,029		2,057
Bethlehem	3,281	103	3,389	+9½	32,195	76	24,468	12 25	41,515		17,047
Bethlehem	119	+100	119	+9½	1,130	76	859	9 30	1,107		248
Bethlehem	2	+100	2	+9½	19	76	14	10 10	20		6
Bethlehem	17	+100	17	+9½	161	76	122	8 75	149		27
Bethlehem	348	+100	348	+9½	3,306	76	2,512	9 35	3,254		742
Bethlehem	25	+100	25	10	250	76	190	8 65	216		26
Bethlehem	8,319	118	9,816	6	58,896	70	41,227	10 75	105,522		64,295
Bethlehem	33	+100	33	+9½	313	76	238	10 15	335		97
Bethlehem	110	+100	110	+9½	1,045	76	794	11 25	1,237		443
Bethlehem	404	100	404	12	4,848	76	3,684	11 00	4,444		760
Bethlehem	4,073	106	4,317	14	60,438	75	45,328	11 10	47,919		2,591
Bethlehem	43	+100	43	+9½	408	76	310	9 45	406		96
Bethlehem	6,464	93	6,011	9	54,099	80	43,279	9 70	58,307		15,028
Bethlehem	10,850	61	6,618	12	79,416	76	60,356	11 50	76,107		15,751
Bethlehem	864	100	864	+9½	8,208	76	6,238	9 25	7,992		1,754
Bethlehem	119	+100	119	+9½	1,130	76	859	9 65	1,148		289
Bethlehem	20	+100	20	+9½	190	76	144	9 30	186		42
Bethlehem	27	+100	27	+9½	256	76	194	11 95	323		129
Bethlehem	4,182	87	3,638	11	40,018	81	32,414	12 20	44,581		11,970
Bethlehem	1	+100	1	10	10	76	8	7 50	7	\$1	
Bethlehem	3,173	100	3,173	15	47,595	84	39,980	14 05	44,684		4,601
Bethlehem	2,049	76	1,557	8	12,456	60	7,474	10 10	15,726		8,252
Bethlehem	2,020	93	1,878	8	15,024	80	12,019	12 30	23,099		11,080
Bethlehem	10,132	68	6,890	8	55,120	77	42,442	10 85	74,756		32,314
Bethlehem	2,412	98	2,363	14	33,082	90	29,774	11 40	26,938	2,836	
Bethlehem	14,052	97	13,630	4	54,520	85	46,342	11 15	151,974		105,632
Bethlehem	500	+100	500	+9½	4,750	76	3,610	11 00	5,500		1,890

SPRING WHEAT—Continued.

Counties.	Average 1879, returned by assessors	Per cent. of increase or decrease	Average 1880.....	Yield per acre in bushels	Total yield in bushels.....	Price per bushel..	Value of crop.....	Cost of production per acre.....	Total cost of production.....	Profit on crop.....	Loss on crop.....
Lee.....	+36,269	96	34,818	12	417,816	75	\$313,362	\$11 25	\$391,702	.....	\$78,340
Livingston	3,517	100	3,517	+9½	33,411	+76	25,392	11 25	39,566	.....	14,174
Logan.....	2,612	86	2,246	9	20,214	70	14,150	10 30	23,134	.....	8,984
Macon.....	2,341	90	2,110	10	21,100	+76	16,036	9 85	20,783	.....	4,747
Macoupin...	81	+100	81	+9½	769	+76	584	11 40	923	.....	339
Madison.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Marion.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mashall.....	3,889	76	2,955	13	38,415	77	29,579	10 65	31,471	.....	1,892
Mason.....	+852	+100	852	+9½	8,094	+76	6,151	10 00	8,520	.....	2,369
Massac.....	6	+100	6	+9½	57	+76	43	11 75	70	.....	27
McDon'gh.	14,418	90	12,976	11	142,736	73	104,197	10 10	131,058	.....	26,861
McHenry....	7,619	103	7,847	16	125,552	87	109,230	10 70	83,963	\$25,267	.....
McLean.....	8,177	82	6,705	7	46,935	76	35,671	10 40	69,732	.....	34,061
Menard.....	525	110	577	+9½	5,481	65	3,563	10 30	5,943	.....	2,380
Mercer.....	14,699	83	12,200	8	97,600	65	63,440	10 20	124,440	.....	61,000
Monroe.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Montzom'y	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Morgan.....	1,000	+100	1,000	10	10,000	+76	7,600	11 50	11,500	.....	3,900
Moultrie....	129	90	116	11	1,276	+76	970	9 75	1,131	.....	161
Ogle.....	11,212	77	8,653	10	86,330	77	66,474	10 45	90,215	.....	23,741
Peoria.....	6,119	91	5,568	7	38,976	80	31,181	11 00	61,248	.....	30,067
Perry.....	10	+100	10	+9½	95	+76	72	9 55	95	.....	23
Platt.....	721	100	721	8	5,768	60	3,461	10 65	7,679	.....	4,218
Pike.....	273	+100	273	+9½	2,593	+76	1,971	12 95	3,535	.....	1,564
Pope.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulaski.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Putnam.....	3,245	100	3,245	7	22,715	70	15,900	9 85	31,963	.....	16,063
Randolph...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Richland...	5	+100	5	+9½	47	+76	36	9 95	50	.....	14
Rock Island	7,830	90	7,047	12	84,564	86	72,725	11 45	80,688	.....	7,963
Saline.....	41	+100	44	+9½	418	+76	318	7 70	339	.....	21
Sangamon...	1,519	105	1,594	15	23,910	70	16,737	11 60	18,490	.....	1,753
Schuyler...	759	120	910	11	10,010	72	7,207	10 00	9,100	.....	1,893
Scott.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shelby.....	242	+100	242	+9½	2,299	+76	1,747	10 95	2,650	.....	903
Stark.....	3,878	100	3,878	+9½	36,841	80	29,473	11 45	44,403	.....	14,930
St. Clair...	131	+100	131	+9½	1,244	+76	945	14 25	1,867	.....	922
Stephenson	12,070	72	8,690	13	112,970	76	85,857	10 65	92,548	.....	6,691
Tazewell...	5,064	83	4,203	10	42,030	70	29,421	10 85	45,602	.....	16,181
Union.....	53	+100	53	+9½	503	+76	382	+10 55	559	.....	177
Vermilion...	640	+100	640	+9½	6,080	+76	4,621	10 15	6,496	.....	1,875
Wabash.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Warren.....	10,999	97	10,669	7	74,683	72	53,772	10 65	113,625	.....	59,853
Washingt'n	13	+100	13	+9½	123	+76	93	9 65	125	.....	32
Wayne.....	4	100	4	+9½	38	+76	29	9 60	38	.....	9
White.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whiteside..	12,378	105	12,996	5	64,980	82	53,284	10 15	131,099	.....	78,625
Will.....	3,113	101	3,144	11	34,584	89	30,780	11 15	35,056	.....	4,276
Williams'n	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Winnebago	5,500	160	5,500	13	71,500	82	58,630	10 75	59,125	.....	495
Woodford...	8,433	100	8,433	3	25,299	+76	19,227	9 95	83,908	.....	64,681
Total.....	312,020	91	286,264	9½	2,642,804	76	\$2,039,732	10 55	\$3,087,992	\$28,104	\$1,076,364

†Estimated.

WHEAT.

Amount Raised and Quantity Consumed.

Counties.	Population	Wheat per capita for seed and consumption	Wheat needed for seed and consumption.....	Wheat raised in 1880..	Surplus	Deficit.....
Adams.....	59,325	5	296,625	830,135	533,510	.....
Alexander.....	14,726	5	73,630	103,732	30,102	.....
Bond.....	15,072	5	75,360	646,540	571,180	.....
Boone.....	11,555	5	57,775	56,899	.....	876
Brown.....	12,881	5	64,405	484,736	420,331	.....
Bureau.....	33,201	5	166,005	131,474	.....	34,531
Calhoun.....	8,456	5	42,280	510,240	467,939	.....
Carroll.....	17,298	5	86,490	238,301	151,811	.....
Cass.....	14,522	5	72,610	361,375	288,765	.....
Champaign.....	40,784	5	203,920	402,334	198,414	.....
Christian.....	28,270	5	141,350	2,069,634	1,928,284	.....
Clark.....	21,901	5	109,505	768,088	658,583	.....
Clay.....	16,272	5	81,360	518,608	437,248	.....
Clinton.....	19,817	5	99,085	1,543,974	1,444,880	.....
Coles.....	26,072	5	130,360	668,003	537,643	.....
Cook.....	606,801	5	3,034,005	46,923	.....	2,987,082
Crawford.....	16,079	5	80,395	666,904	586,509	.....
Cumberland.....	13,764	5	68,820	369,428	300,608	.....
DeKalb.....	26,583	5	132,915	50,586	.....	82,329
DeWitt.....	17,031	5	85,155	165,953	80,798	.....
Douglas.....	15,873	5	79,365	447,633	368,318	.....
DuPage.....	19,270	5	96,350	35,355	.....	60,955
Edgar.....	25,520	5	127,600	805,893	678,293	.....
Edwards.....	8,605	5	43,025	340,132	297,107	.....
Effingham.....	19,138	5	95,690	656,101	560,411	.....
Fayette.....	21,098	5	105,490	911,841	806,351	.....
Ford.....	15,107	5	75,535	6,256	.....	69,279
Franklin.....	15,815	5	79,075	283,280	204,205	.....
Fulton.....	41,303	5	206,515	795,036	588,521	.....
Gallatin.....	13,200	5	66,000	296,259	230,259	.....
Greene.....	23,030	5	115,150	1,393,477	1,278,327	.....
Grundy.....	16,735	5	83,675	5,648	.....	78,027
Hamilton.....	15,890	5	79,450	404,800	325,350	.....
Hancock.....	35,499	5	177,495	507,636	330,191	.....
Hardin.....	6,287	5	31,435	43,743	12,308	.....
Henderson.....	10,844	5	54,220	91,170	36,950	.....
Henry.....	36,785	5	183,925	84,256	.....	99,669
Iroquois.....	35,467	5	177,335	84,678	.....	92,457
Jackson.....	22,800	5	114,000	463,757	349,757	.....
Jasper.....	14,531	5	72,655	406,848	334,193	.....
Jefferson.....	21,436	5	107,180	770,194	662,954	.....
Jersey.....	15,630	5	78,150	1,345,678	1,267,528	.....
JoDavies.....	27,255	5	136,275	161,664	25,389	.....
Johnson.....	14,181	5	70,905	163,002	92,097	.....
Kane.....	46,537	5	232,685	50,875	.....	181,810
Kankakee.....	26,500	5	132,500	47,091	.....	85,409
Kendall.....	13,176	5	65,880	17,154	.....	48,726
Knox.....	38,368	5	191,840	138,032	.....	53,808
Lake.....	21,211	5	106,055	33,544	.....	72,511
LaSalle.....	70,280	5	351,400	59,810	.....	291,590
Lawrence.....	12,920	5	64,600	619,644	555,044	.....

WHEAT—Continued.

Amount Raised and Quantity Consumed.

Counties.	Population	Wheat per capita for seed and consumption	Wheat needed for seed and consumption.....	Wheat raised in 1880..	Surplus.....	Deficit
Lee.....	28,006	5	140,030	417,816	277,786	
Livingston.....	38,885	5	194,425	39,841		154,584
Logan.....	25,255	5	126,275	517,935	391,660	
Macon.....	30,652	5	153,260	522,744	369,484	
Macoupin.....	37,606	5	188,030	2,975,793	2,787,763	
Madison.....	49,736	5	248,680	3,539,400	3,290,720	
Marion.....	23,670	5	118,350	770,480	652,130	
Marshall.....	15,137	5	75,685	49,593		26,092
Mason.....	16,223	5	81,140	187,758	106,618	
Massac.....	11,320	5	56,600	166,761	110,161	
McDonough.....	28,090	5	140,450	313,977	173,527	
McHenry.....	24,894	5	124,470	138,686	14,216	
McLean.....	60,130	5	300,650	279,635		21,015
Menard.....	13,035	5	65,175	365,474	300,299	
Mercer.....	19,396	5	96,980	99,560	2,580	
Monroe.....	13,595	5	67,975	1,624,168	1,556,193	
Montgomery.....	28,161	5	140,805	3,326,664	3,185,859	
Morgan.....	31,337	5	156,685	1,180,457	1,023,772	
Moultrie.....	13,703	5	68,515	370,864	302,349	
Ogle.....	29,742	5	148,710	208,277	59,567	
Peoria.....	57,443	5	287,215	132,384		154,831
Perry.....	15,995	5	79,975	410,164	330,189	
Piatt.....	15,593	5	77,965	157,749	79,784	
Pike.....	32,097	5	160,485	2,103,553	1,943,068	
Pope.....	13,140	5	65,700	188,700	123,000	
Pulaski.....	10,000	5	50,000	98,832	48,832	
Putnam.....	5,555	5	27,775	26,609		1,166
Randolph.....	25,570	5	127,850	1,241,268	1,113,418	
Richland.....	15,900	5	79,500	374,096	294,596	
Rock Island.....	38,320	5	191,600	87,624		103,976
Saline.....	15,764	5	78,820	191,533	112,713	
Sangamon.....	52,941	5	264,705	1,531,067	1,066,962	
Schuyler.....	16,704	5	83,520	563,210	479,690	
Scott.....	10,749	5	53,745	563,088	509,343	
Shelby.....	30,290	5	151,450	1,368,763	1,217,313	
Stark.....	11,220	5	56,100	38,386		17,714
St. Clair.....	61,210	5	306,050	2,584,224	2,278,174	
Stephenson.....	31,987	5	159,935	283,868	123,933	
Tazewell.....	29,896	5	149,480	449,690	300,210	
Union.....	18,111	5	90,555	335,783	245,228	
Vermilion.....	41,588	5	207,940	1,196,220	988,280	
Wabash.....	9,919	5	49,595	270,850	221,255	
Warren.....	22,898	5	114,490	91,921		22,569
Washington.....	21,300	5	106,500	1,490,757	1,384,257	
Wayne.....	21,377	5	106,885	577,238	470,353	
White.....	23,028	5	115,140	604,530	489,390	
Whiteside.....	30,869	5	154,345	68,180		86,165
Will.....	51,980	5	259,900	42,636		217,264
Williamson.....	20,784	5	103,920	238,779	134,859	
Winnebago.....	30,414	5	152,070	112,156		39,914
Woodford.....	21,495	5	107,475	83,395		24,080
Total.....	3,083,416	5	15,417,080	56,508,309	46,199,698	5,108,469

OATS.

Counties.	Acresage 1879, re- turned by as- sessor.	Per cent. of in- crease or decrease	Acresage 1880.	Yield per acre in bushels.	Total yield in bush- els.	P.ice per bushel..	Value of crop.	Cost of production per acre.	Total cost of pro- duction.	Profit on crop.	Loss on crop.
Adams.	22,550	97	21,873	38	831,174	20	\$166,235	\$9.99	\$216,543		\$50,308
Alexander.	597	91	543	20	10,860	22	3,041	8.35	4,534		1,493
Bond.	49,294	85	7,900	30	237,000	19	45,030	8.30	65,570		20,540
Boone.	21,663	106	22,968	41	941,568	21	197,754	10.90	250,351		52,597
Brown.	4,307	96	4,135	36	148,860	17	25,306	9.45	39,076		13,770
Bureau.	30,330	103	31,240	41	1,240,840	18	230,551	9.85	307,714		77,163
Calhoun.	1,216	100	1,216	35	42,560	21	8,938	11.75	14,288		5,350
Carroll.	24,953	105	26,201	45	1,179,045	20	235,809	10.75	284,981		48,472
Cass.	6,107	135	8,244	40	329,760	15	49,464	10.40	85,738		36,271
Champaign.	35,463	100	35,478	21	744,878	18	134,669	10.10	353,227		224,158
Chri-tian.	20,651	73	15,075	33	497,475	16	79,596	9.75	146,981		67,385
Clark.	8,469	98	8,300	40	332,000	12	39,841	7.45	61,835		21,995
Clay.	6,933	100	6,983	36	251,588	17	42,736	9.05	63,196		20,460
Clinton.	15,709	105	16,494	26	423,844	18	77,192	8.45	139,374		62,182
Coles.	10,885	78	8,490	35	297,150	18	53,487	9.25	78,532		25,045
Cook.	54,302	101	54,845	32	1,755,040	22	386,169	11.35	622,491		236,382
Crawford.	8,764	112	9,816	25	245,400	21	51,534	6.50	63,804		12,270
Cumberland.	8,127	105	8,533	28	238,924	20	47,785	7.80	66,557		18,772
DeKalb.	47,484	99	47,009	37	1,739,333	13	330,473	10.95	514,748		184,275
DeWitt.	13,805	101	14,219	25	355,475	20	71,095	9.20	130,815		59,720
Douglas.	9,919	102	10,117	25	252,925	18	45,526	8.60	87,006		41,480
DuPage.	30,439	102	31,048	30	931,440	22	204,917	11.60	360,157		155,240
Edgar.	13,307	93	12,375	28	346,500	18	62,370	8.50	105,187		42,817
Edwards.	2,539	97	2,463	21	51,723	21	10,862	9.20	22,660		11,798
Fifflingham.	14,527	105	15,253	42	640,626	15	96,094	8.85	134,989		38,995
Fayette.	11,416	102	11,644	32	372,608	21	78,248	7.40	86,166		7,913
Ford.	13,640	105	14,322	35	501,270	21	105,287	8.50	121,737		16,470
Franklin.	4,080	100	4,080	22	89,760	35	31,416	6.90	28,152	\$3,264	
Fulton.	19,027	118	22,452	35	785,820	21	165,022	10.05	225,643		60,621
Gallatin.	1,499	70	1,049	25	26,225	20	5,245	10.55	11,067		5,822
Greene.	3,547	100	3,547	40	141,880	25	35,470	11.75	41,677		6,207
Grundy.	10,492	100	11,121	41	455,961	19	86,632	10.80	120,107		33,475
Hamilton.	2,999	93	2,789	26	72,514	17	12,327	6.80	18,965		6,639
Hancock.	33,558	110	36,364	42	1,527,288	18	274,912	8.90	323,640		48,723
Hardin.	1,536	100	1,536	16	24,576	2	6,390	8.20	12,595		6,205
Henderson.	10,392	102	10,690	42	445,200	17	75,684	9.35	99,110		23,426
Henry.	27,817	107	29,764	41	1,230,324	20	244,065	12.60	375,026		130,961
Iroquois.	34,436	108	37,191	23	1,041,343	21	218,683	8.40	312,404		93,721
Jackson.	3,833	106	4,068	18	73,224	32	23,432	9.25	37,629		14,197
Jasper.	6,488	100	6,488	27	175,176	17	29,780	6.50	42,172		12,392
Jefferson.	9,232	93	8,586	22	183,892	25	47,223	7.65	65,683		18,460
Jersey.	3,593	105	3,778	30	114,340	30	34,002	9.15	34,569		567
JoDavies.	30,347	100	30,347	37	1,122,839	21	235,796	10.60	321,678		85,882
Johnson.	1,716	80	1,373	21	27,480	25	6,865	6.65	9,130		2,265
Kane.	29,710	101	30,007	48	1,440,336	22	316,874	11.65	349,581		32,707
Kankakee.	28,572	103	29,429	30	882,870	21	176,574	9.25	272,218		95,644
Kendall.	18,879	105	19,823	35	693,805	19	131,823	11.15	221,026		89,203
Knox.	32,253	113	36,446	47	1,712,962	19	325,463	10.25	373,571		48,108
Lake.	22,679	93	22,225	43	955,675	25	238,919	10.25	227,806	11,113	
LaSalle.	49,004	97	47,534	40	1,901,360	21	399,286	10.05	477,717		78,431
Lawrence.	3,700	85	3,145	26	81,770	20	16,354	9.25	29,031		12,737

OATS—Continued.

Counties.	Average 1879, re- turned by asses- sors	Per cent. of in- crease or decrease	Average 1880.....	Yield per acre in bushels	Total yield in bush- els.....	Price per bushel..	Value of crop.....	Cost of production per acre.....	Total cost of pro- duction	Profit on crop.....	Loss on crop.....
Lee.....	+18.922	101	19,182	38	728,916	19	\$133.494	\$9 90	\$189,902	.....	\$51.408
Livingston..	46.795	111	51.942	25	1,298,550	18	233,739	9 80	509,032	.....	275,293
Logan.....	17.313	100	17,313	30	519,390	18	93,490	9 45	163,608	.....	70,118
Macon.....	18,782	94	17,655	34	600,270	19	114,051	9 25	163,309	.....	49,258
Macoupin....	18,407	108	19,879	39	775,281	25	193,820	9 05	179,905	\$13,915	.....
Madison....	13,196	87	11,480	31	355,880	26	92,5 9	10 35	118,818	.....	26,289
Marion.....	11,419	88	10,049	20	200,980	18	36,176	6 95	69,840	.....	33,664
Marshall....	18,459	105	19,382	43	833,426	21	175,019	11 65	225,800	.....	50,781
Mason.....	+6,711	101	6,711	25	167,775	20	33,555	8 95	60,063	.....	26,508
Massac.....	1,129	103	1,163	21	24,423	25	6,108	10 35	12,037	.....	5,931
McDonough..	23,654	107	25,310	40	1,012,400	20	202,480	9 90	250,590	.....	48,089
McHenry....	35,065	107	37,519	43	1,613,317	22	354,930	9 65	362,058	.....	7,128
McLean.....	57,334	91	53,321	31	1,652,951	19	314,061	9 60	511,882	.....	197,821
Menard.....	8,839	95	8,397	38	1,399,086	18	57,435	9 85	82,710	.....	25,275
Mercer.....	18,011	101	18,371	40	734,840	19	139,620	9 65	177,280	.....	37,660
Monroe.....	5,747	100	5,747	35	201,145	30	60,343	12 10	69,539	.....	9,196
Montgomery	21,566	62	13,371	37	494,727	18	89,051	7 80	104,294	.....	15,243
Morgan.....	10,160	100	10,160	42	426,720	+21	89,611	10 80	109,728	.....	20,117
Moultrie....	9,901	91	9,406	28	263,368	19	5,040	8 60	80,592	.....	30,852
Ogle.....	54,205	100	54,205	40	2,168,200	24	570,368	9 85	533,919	.....	13,551
Peoria.....	29,210	106	30,962	41	1,269,442	23	291,972	11 15	345,226	.....	53,254
Perry.....	5,231	91	5,022	18	90,396	25	22,599	9 30	46,705	.....	24,106
Piatt.....	17,746	101	19,165	33	632,445	17	107,516	10 65	204,107	.....	96,591
Pike.....	6,081	97	5,898	36	212,328	30	63,698	12 75	75,199	.....	11,501
Pope.....	4,092	95	3,887	32	124,384	+21	26,121	7 20	27,986	.....	1,865
Pulaski.....	620	100	620	28	17,360	27	4,687	8 95	5,549	.....	862
Punam.....	4,571	104	4,754	40	190,160	20	38,032	10 45	49,679	.....	11,647
Randolph....	10,522	99	10,417	30	312,510	25	78,127	10 10	105,212	.....	27,085
Richland....	5,923	92	5,449	15	81,735	20	16,347	8 30	45,227	.....	28,880
Rock Island.	11,800	109	12,862	43	553,066	18	99,552	10 80	138,910	.....	39,358
Saline.....	2,172	100	2,172	20	43,440	20	8,688	6 05	13,141	.....	4,453
Sangamon....	13,855	92	12,746	33	420,618	20	84,124	10 10	128,775	.....	44,611
Schuyler....	6,635	96	6,369	38	242,022	17	41,144	9 35	59,550	.....	18,406
Scott.....	566	96	543	35	19,005	30	5,701	10 00	5,430	271	.....
Shelby.....	17,850	91	16,243	33	536,019	17	91,123	10 15	164,869	.....	73,743
Stark.....	13,033	100	13,033	42	547,366	25	136,846	10 75	140,105	.....	3,259
St. Clair....	12,270	100	12,270	33	404,910	25	101,227	11 70	143,559	.....	42,332
Stephenson..	35,622	100	35,622	35	1,246,700	23	286,757	9 95	354,439	.....	67,682
Tazewell....	27,780	97	26,946	30	808,380	21	169,760	10 00	269,460	.....	99,700
Union.....	4,332	100	4,332	12	51,934	+21	10,9 7	+3 40	40,721	.....	29,804
Vermilion....	19,713	92	18,136	14	253,904	15	38,086	9 05	164,131	.....	126,405
Wabash.....	1,806	82	1,481	25	37,050	20	7,405	8 55	12,662	.....	5,257
Warren.....	28,662	102	29,235	45	1,315,575	17	223,648	10 30	301,120	.....	77,472
Washington.	17,739	97	17,207	40	688,280	30	206,484	8 00	137,656	63,828	.....
Wayne.....	9,297	98	8,181	19	155,429	27	41,668	7 85	64,221	.....	22,253
White.....	3,650	95	3,467	15	52,005	25	13,001	7 20	24,962	.....	11,961
Whiteside....	27,573	110	30,330	50	1,516,500	20	303,300	11 30	342,729	.....	39,429
Will.....	67,462	105	70,835	46	3,258,410	21	684,266	9 90	701,266	.....	17,000
Williamson..	3,201	100	3,201	18	57,618	+21	12,100	7 25	23,207	.....	11,107
Winnebago..	42,949	98	42,090	38	1,599,420	22	351,872	10 10	425,109	.....	73,237
Woodford....	34,837	100	34,837	40	1,393,480	20	278,696	10 80	376,240	.....	97,544
Total.....	1,738,840	101	1,749,391	35	62,709,002	24	\$12,858,247	\$9 40	\$17,375,108	\$97,391	\$4,614,252

†Estimated.

RYE.

Counties.	Average 1879, re- turned by asses- sors.....	Per cent. of in- crease or decrease	Acreage 1880.....	Yield per acre in bushels.....	Total yield in bush- els.....	Price per bushel..	Value of crop.....	Cost of production per acre.....	Total cost of pro- duction.....	Profit on crop.....	Loss on crop.....
Adams.....	715	100	715	13	9,295	57	\$5,298	\$9 35	\$6,635		\$1,337
Alexander....	4	100	4	*17	68	*56	38	11 10	44		6
Bond.....											
Boone.....	1,447	122	1,765	21	37,065	61	22,610	10 25	18,091	\$4,519	
Brown.....	479	75	306	14	4,284	60	2,570	10 05	3,075		505
Bureau.....	1,700	106	1,802	16	28,832	55	15,858	9 90	17,840		1,932
Calhoun.....	6	*100	6	*17	102	*56	57	14 00	84		27
Carroll.....	5,082	95	4,828	20	96,560	50	48,280	11 45	55,281		7,001
Cass.....	508	100	508	*17	8,636	*56	4,836	10 10	5,131		295
Champaign....	3,378	85	2,871	19	54,549	46	25,092	11 05	31,724		6,632
Christian.....	899	55	494	20	9,880	41	4,051	10 75	5,310		1,259
Clark.....	225	85	191	16	3,056	55	1,681	9 75	1,862		181
Clay.....	225	100	225	10	2,250	40	90	10 75	2,419		1,519
Clinton.....	39	190	74	12	888	*56	497	8 60	638		139
Coles.....	281	90	253	11	2,783	55	1,531	8 95	2,264		733
Cook.....	1,046	105	1,098	20	21,960	60	13,176	11 00	12,078	1,098	
Crawford.....	99	100	99	18	1,782	*56	998	*9 80	970	28	
Cumberland....	353	75	265	10	2,650	50	1,325	8 85	2,345		1,020
DeKalb.....	806	100	806	18	14,508	64	9,255	10 85	8,745	540	
DeWitt.....	2,601	100	2,601	16	41,616	55	22,889	9 55	24,839		1,950
Douglas.....	907	96	871	16	13,936	50	6,968	9 10	7,926		958
DuPage.....	1,620	95	1,539	*17	26,163	60	15,698	12 05	18,545		2,847
Edgar.....	449	100	449	15	6,735	60	4,041	*9 80	4,400		359
Edwards.....											
Effingham.....	407	100	407	17	6,919	*56	3,875	9 15	3,724	151	
Fayette.....	376	80	301	11	3,311	*56	1,854	7 35	2,212		358
Ford.....	1,160	80	928	*17	15,776	*56	8,854	7 90	7,331	1,503	
Franklin.....	16	50	8	*17	136	*56	76	*9 80	78		2
Fulton.....	8,537	80	6,829	22	150,238	54	81,128	9 95	67,948	13,180	
Gallatin.....	41	100	41	*17	697	*56	390	9 40	385	5	
Greene.....	47	*100	47	*17	799	*56	447	*9 80	461		14
Grundy.....	1,865	90	1,678	15	25,170	57	14,347	11 65	19,549		5,202
Hamilton.....	27	80	21	12	252	*58	141	6 70	141		
Hancock.....	3,097	87	2,694	18	48,492	55	26,671	9 05	24,381	2,290	
Hardin.....	35	*100	35	12	420	50	210	8 75	306		96
Henderson.....	3,587	80	2,869	20	57,380	55	31,559	9 55	27,399	4,160	
Henry.....	4,145	110	4,559	20	91,180	55	50,149	11 90	54,252		4,103
Iroquois.....	3,628	100	3,628	15	54,420	*56	30,475	8 35	30,294	181	
Jackson.....	80	*100	80	*17	1,360	*56	762	10 15	812		50
Jasper.....	212	100	212	16	3,392	50	1,696	7 15	1,516	180	
Jefferson.....	99	100	99	18	1,782	70	1,247	8 05	797	450	
Jersey.....	11	90	10	*17	170	*56	95	*9 80	98		3
Jo Daviess....	2,683	80	2,146	17	36,482	50	18,241	9 90	21,245		3,004
Johnson.....	9	*100	9	*17	153	*56	86	9 35	84	2	
Kane.....	1,495	100	1,495	22	32,890	69	22,694	12 30	18,388	4,306	
Kankakee.....	3,129	75	2,347	12	28,161	45	12,674	9 60	22,531		9,857
Kendall.....	277	115	318	12	3,816	60	2,290	11 95	3,800		1,500
Knox.....	4,973	95	4,724	20	94,480	47	44,406	10 15	47,949		3,542
Lake.....	501	90	451	17	7,667	60	4,600	10 45	4,713		113
LaSalle.....	3,252	100	3,252	12	39,024	60	23,414	10 65	34,634		11,220
Lawrence.....	107	120	128	20	2,560	65	1,664	6 85	877	787	

RYE—Continued.

Counties.	Acreage 1879, re- turned by assess- ors	Per cent. of in- crease or decrease	Acreage 1880	Yield per acre in bushels	Total yield in bush- els	Price per bushel...	Value of crop	Cost of production per acre	Total cost of pro- duction	Profit on crop	Loss on crop
Lee.....	6,405	100	6,405	14	89,670	*56	\$50,215	\$10 25	\$65,651	.....	\$15,436
Livingston....	2,022	78	1,577	21	33,117	50	16,558	9 45	14,903	\$1,655	.....
Logan.....	1,499	80	1,199	19	22,781	60	13,669	9 55	11,450	2,219	.....
Macon.....	200	100	200	30	6,000	*56	3,360	*9 80	1,960	1,400	.....
Macoupin.....	56	100	56	25	1,400	53	742	12 95	725	17	.....
Madison.....	509	87	443	17	7,531	75	5,648	6 70	2,968	2,680	.....
Marion.....	2,285	98	2,239	14	31,346	54	16,927	11 45	25,636	.....	8,709
Marshall.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mason.....	3	*100	3	*17	51	*56	28	*9 80	29	.....	1
Massac.....	5,760	75	4,320	22	95,040	52	49,421	10 15	43,848	5,573	.....
McDonough...	1,080	100	1,080	16	17,280	67	11,578	9 00	9,720	1,858	.....
McHenry.....	8,823	93	8,205	18	147,690	55	81,229	9 30	76,306	4,923	.....
McLean.....	325	100	325	*17	5,525	60	3,315	9 05	2,941	374	.....
Menard.....	3,131	100	3,131	23	72,013	50	36,006	9 90	30,997	5,009	.....
Mercer.....	27	90	24	*17	408	*56	228	12 40	298	.....	70
Monroe.....	1,561	75	1,171	20	23,420	47	11,007	8 50	9,953	1,054	.....
Montgomery...	5,023	*100	5,023	*17	85,391	*56	47,819	10 15	50,983	.....	3,164
Morgan.....	493	100	493	16	7,888	55	4,338	8 20	4,043	295	.....
Moultrie.....	4,352	100	4,052	20	81,040	61	49,434	9 60	38,899	10,535	.....
Ogle.....	7,761	75	5,821	20	116,420	61	71,016	10 75	62,576	8,440	.....
Peoria.....	23	100	23	*17	391	*56	219	10 65	245	.....	26
Perry.....	2,036	83	1,690	21	35,490	53	18,810	10 35	17,491	1,319	.....
Piatt.....	160	90	144	19	2,736	65	1,778	9 75	1,404	374	.....
Pike.....	20	*100	20	*17	340	*56	190	9 80	196	.....	6
Pope.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Pulaski.....	928	96	891	16	14,256	55	7,841	9 70	8,643	.....	802
Putnam.....	16	100	16	20	320	60	192	10 60	170	22	.....
Randolph.....	11	100	11	10	110	*56	62	7 40	81	.....	19
Richland.....	3,240	96	3,110	19	59,090	49	28,954	10 75	33,432	.....	4,478
Rock Island...	4	*100	4	8	32	80	26	7 05	28	.....	2
Saline.....	1,707	86	1,468	19	27,892	55	15,341	9 50	13,946	1,395	.....
Sangamon.....	656	98	643	20	12,860	56	7,202	8 95	5,755	1,447	.....
Scuyler.....	60	90	54	*17	918	*56	514	10 30	556	.....	42
Scott.....	1,102	100	1,102	21	23,142	52	12,034	10 35	11,406	628	.....
Shelby.....	1,162	120	1,394	21	29,274	50	14,637	10 90	15,195	.....	558
Stark.....	17	100	17	*17	289	*56	162	*9 80	167	.....	5
St. Clair.....	9,827	87	8,549	22	188,078	59	110,966	10 15	86,772	24,194	.....
Stephenson...	5,151	85	4,378	18	78,804	61	48,070	9 95	43,561	4,509	.....
Tazewell.....	4	*100	4	17	68	*56	38	*9 80	39	.....	1
Union.....	1,146	76	871	*17	14,807	*56	8,292	9 15	7,970	322	.....
Vermilion...	42	100	42	*17	714	*56	400	*9 80	412	.....	12
Wabash.....	1,751	96	1,681	18	30,258	46	13,919	10 10	16,978	.....	3,059
Warren.....	75	110	82	25	2,050	50	1,025	8 60	705	320	.....
Washington...	103	100	103	*17	1,751	*56	9 0	*9 80	1,009	.....	29
Wayne.....	16	120	19	*17	323	*56	181	8 00	152	29	.....
White.....	5,760	50	2,880	25	72,000	52	37,440	11 00	31,680	5,760	.....
Whiteside...	1,414	108	1,527	15	22,905	70	16,063	10 15	15,499	534	.....
Will.....	10	100	10	*17	170	*56	95	*9 80	98	.....	3
Williamson...	8,413	90	7,572	14	106,008	60	63,605	10 00	75,720	.....	12,115
Winnebago...	4,451	103	4,584	16	73,344	55	40,339	10 00	45,840	.....	5,501
Woodford.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	166,915	89	149,742	17	2,737,159	56	\$1,513,587	\$9 80	\$1,515,235	\$120,265	\$121,913

*Estimated.

BARLEY.

Counties.	Average 1879, re- turned by assess- ors	Per cent. of in- crease or decrease	Average 1880.....	Yield per acre in bushels.....	Total yield in bush- els.....	Price per bushel...	Value of crop.....	Cost of production per acre.....	Total cost of pro- duction.....	Profit on crop.....	Loss on crop.....
Adams.....	86	\$100	86	\$27	2,322	70	\$1,625	\$8 95	\$770	\$855	.....
Boone.....	487	90	438	15	6,570	\$56	3,679	10 90	4,774	.....	1,095
Bureau.....	1,560	100	1,560	22	34,520	\$56	19,219	10 50	16,380	2,839	.....
Carroll.....	5,021	103	5,172	24	124,128	\$56	69,512	10 15	52,496	17,016	.....
Cass.....	20	\$100	20	\$27	540	\$56	302	11 30	226	76	.....
Christian.....	293	100	293	\$27	7,911	\$56	4,430	9 30	2,725	1,705	.....
Clinton.....	10	\$100	10	\$27	270	\$56	155	\$10 55	105	46	.....
Coles.....	80	\$100	80	31	2,480	\$56	1,389	\$10 55	844	545	.....
Cook.....	193	\$100	193	\$27	5,211	76	3,960	9 10	1,756	2,204	.....
Crawford.....	10	\$100	10	\$27	270	\$56	151	\$10 55	105	46	.....
Cumberland.....	17	\$100	17	\$27	459	\$56	257	\$10 55	179	78	.....
DeKalb.....	2,576	68	1,751	25	43,775	68	29,767	11 05	19,348	10,419	.....
DeWitt.....	19	\$100	19	\$27	513	\$56	247	\$10 55	200	87	.....
Douglas.....	21	\$100	21	\$27	567	\$56	317	\$10 55	221	96	.....
DuPage.....	135	\$100	135	\$27	3,645	\$56	2,041	12 30	1,660	381	.....
Edgar.....	19	\$100	19	\$27	513	\$56	287	\$10 55	200	87	.....
Edwardsville.....	7	\$100	7	\$27	189	\$56	106	\$10 55	74	32	.....
Effingham.....	7	\$100	7	\$27	189	\$56	106	\$10 55	74	32	.....
Ford.....	41	\$100	41	\$27	1,107	\$56	620	9 10	373	247	.....
Franklin.....	10	\$100	10	20	200	35	70	\$10 55	105	.....	35
Fulton.....	93	\$100	93	\$27	2,511	\$56	1,406	\$10 55	981	425	.....
Grundy.....	77	\$100	77	20	1,540	\$56	862	12 85	989	.....	127
Hancock.....	10	100	10	\$27	270	50	135	\$10 55	105	30	.....
Henderson.....	53	\$100	53	40	2,120	\$56	1,187	\$10 55	559	628	.....
Henry.....	743	90	669	25	16,725	\$56	9,366	13 25	8,864	502	.....
Iroquois.....	129	\$100	129	\$27	3,483	\$56	1,950	9 10	1,174	776	.....
Jackson.....	79	\$100	79	\$27	2,133	\$56	1,194	10 90	861	333	.....
Jefferson.....	28	\$100	28	30	840	\$56	470	\$10 55	295	175	.....
JoDavies.....	881	\$100	831	25	22,025	50	11,012	9 60	8,458	2,554	.....
Kane.....	458	110	504	22	11,088	70	7,762	12 00	6,048	1,714	.....
Kankakee.....	227	\$100	227	\$27	6,129	50	3,064	10 95	2,486	578	.....
Kendall.....	35	95	33	\$27	891	65	579	11 85	391	188	.....
Knox.....	178	\$100	178	\$27	4,806	\$56	2,691	11 70	2,083	608	.....
Lake.....	113	100	113	25	2,825	60	1,695	10 45	1,181	514	.....
KaSalle.....	908	80	726	\$27	19,602	\$56	10,977	11 15	8,095	2,882	.....
Lawrence.....	182	\$100	182	\$27	4,914	\$56	2,752	8 30	1,511	1,241	.....
Livingston.....	61	\$100	61	\$27	1,647	\$56	922	10 55	643	279	.....
Logan.....	193	\$100	193	\$27	5,211	\$56	2,918	12 05	2,326	592	.....
Macon.....	86	\$100	86	\$27	2,322	\$56	1,300	9 55	821	479	.....
Macoupin.....	20	\$100	20	\$27	540	\$56	302	\$10 55	211	91	.....
McHenry.....	765	75	574	30	17,220	55	9,471	7 20	4,113	5,338	.....
McLean.....	349	\$100	349	\$27	9,423	\$56	5,277	9 40	3,281	1,996	.....
Menard.....	80	\$100	80	40	3,200	80	2,560	\$10 55	844	1,716	.....
Mercer.....	55	100	55	\$27	1,485	\$56	832	\$10 55	580	252	.....
Monroe.....	87	100	87	35	3,045	\$56	1,705	11 70	1,018	687	.....
Montgomery.....	46	75	34	\$27	918	\$56	514	8 40	286	228	.....
Moultrie.....	90	\$100	90	\$27	2,430	\$56	1,361	8 70	783	578	.....
Ogle.....	8,825	85	7,501	24	180,024	60	108,014	9 90	74,260	33,754	.....
Peoria.....	25	\$100	25	\$27	675	65	439	10 55	264	175	.....
Piatt.....	29	90	26	14	364	80	291	11 25	292	.....	1
Putnam.....	16	\$100	16	\$27	432	35	151	\$10 55	169	.....	18
Randolph.....	17	100	17	\$27	459	25	115	10 80	184	.....	69
Richland.....	20	\$100	20	\$27	540	\$56	302	10 55	211	91	.....
Rock Island.....	710	87	618	30	18,540	50	9,270	11 85	7,323	1,947	.....
Sangamon.....	290	\$100	290	\$27	7,830	\$56	4,385	10 55	3,059	1,326	.....
Schuyler.....	19	\$100	19	35	665	\$56	372	8 15	155	217	.....
Stark.....	5	100	5	\$27	135	45	61	11 30	56	5	.....
St. Clair.....	333	\$100	333	34	11,322	75	8,491	17 00	5,661	2,830	.....
Stephenson.....	11,456	97	10,539	27	284,553	53	150,813	10 50	110,659	40,154	.....
Tazewell.....	164	95	156	\$27	4,212	60	2,527	9 95	1,552	975	.....
Union.....	9	\$100	9	\$27	243	\$56	136	\$10 55	95	41	.....
Vermillion.....	112	\$100	112	\$27	3,024	\$56	1,693	\$10 55	1,182	511	.....
Wabash.....	8	\$100	8	\$27	216	\$56	121	\$10 55	84	37	.....
Warren.....	38	\$100	38	\$27	1,026	\$56	574	10 65	405	169	.....
Whiteside.....	2,505	90	2,254	30	67,620	50	33,810	10 20	22,991	10,819	.....
Will.....	78	\$100	78	\$27	2,106	\$56	1,179	9 60	749	430	.....
Winnebago.....	1,155	105	1,213	18	21,834	50	10,917	9 15	11,099	.....	182
Woodford.....	564	95	536	15	7,040	\$56	4,502	9 70	5,139	697	.....
Total.....	43,016	91	39,313	25	998,382	56	\$560,708	\$10 55	\$407,271	\$155,656	\$2,224

\$Estimated.

FLAX.

Counties.	Average 1879, re- turned by assess- ors.....	Per cent. of in- crease or decrease	Acreage 1880.	Yield per acre in bushels.....	Total yield in bush- els.....	Price per bushel..	Value of crop	Cost of production per acre.....	Total cost of pro- duction.....	Profit on crop.....	Loss on crop.....
Boone.....	2,142	85	1,821	7	12,747	\$1 00	12,747	\$10 30	18,856	.....	6,009
Carroll.....	64	+100	64	+9	576	+1 00	576	+9 45	605	.....	29
Champaign...	10,917	100	10,917	10	109,170	1 00	109,170	10 55	115,174	.....	6,004
Christain.....	1,337	50	668	8	5,344	1 00	5,344	8 75	5,845	.....	501
Clark.....	32	110	35	6	210	80	168	+9 45	331	.....	163
Clay.....	2,126	111	2,360	8	18,880	1 00	18,880	8 25	19,470	.....	590
Cook.....	11,763	105	12,351	13	160,563	1 15	184,647	9 10	112,394	72,253	.....
Crawford.....	8	100	8	16	128	90	115	+9 45	76	39	.....
DeKalb.....	10,157	105	10,665	9	95,984	1 05	100,785	10 60	113,049	.....	12,265
DuPage.....	5,884	87	5,119	10	51,190	1 06	54,261	10 75	55,029	.....	768
Edgar.....	65	+100	65	+9	585	+1 00	535	+9 45	614	.....	29
Effingham...	4	+100	4	9	36	1 00	36	10 35	41	.....	5
Fayette.....	16	+100	16	+9	144	85	122	+9 45	151	.....	29
Ford.....	28,883	103	29,749	7	208,243	97	201,996	7 85	233,530	.....	31,534
Franklin.....	28	90	25	9	225	90	202	6 70	167	35	.....
Grundy.....	1,907	100	1,907	9	17,163	1 05	18,021	10 60	20,214	.....	2,193
Hamilton.....	30	95	28	+9	252	+1 00	252	5 95	167	85	.....
Iroquois.....	34,801	85	29,581	8	236,648	95	224,816	7 70	227,774	.....	2,958
Jasper.....	1,170	147	1,720	7	12,040	1 00	12,040	6 60	11,352	688	.....
Jefferson.....	433	100	433	+9	3,897	+1 00	3,897	+9 45	4,092	.....	195
JoDavies...	2,176	100	2,176	10	21,760	95	20,672	10 85	23,610	.....	2,938
Kane.....	623	100	623	11	6,853	1 02	6,990	13 40	8,348	.....	1,358
Kankakee...	2,847	100	2,847	7	19,929	95	18,932	8 60	24,484	.....	5,552
Kendall.....	30	+100	30	10	300	95	285	+9 45	283	2	.....
Lake.....	6,356	101	6,419	10	64,190	1 07	68,683	+9 45	60,659	8,024	.....
LaSalle.....	400	90	360	8	2,880	1 20	3,456	9 95	3,582	.....	126
Lawrence...	6	25	1	+9	9	+1 00	9	12 30	12	.....	3
Livingston...	17,336	100	17,336	9	156,024	1 00	156,024	10 65	184,628	.....	28,604
Macon.....	1,161	87	1,010	8	8,080	1 07	8,646	9 30	9,393	.....	747
Marion.....	138	112	154	10	1,540	1 00	1,540	+9 45	1,455	85	.....
Marshall...	10	+100	10	9	90	+1 00	90	+9 45	94	.....	4
McHenry.....	3,508	75	2,631	13	34,203	1 05	35,913	10 05	26,441	9,472	.....
McLean.....	4,849	+100	4,849	11	53,339	1 06	56,539	+9 45	45,823	10,716	.....
Montgomery	371	+100	371	10	3,710	1 00	3,710	+9 45	3,506	204	.....
Moultrie...	674	86	580	9	5,220	1 10	5,742	8 90	5,162	580	.....
Ogle.....	1,445	100	1,445	11	15,895	1 00	15,895	10 40	15,028	867	.....
Piatt.....	5,427	95	5,156	9	46,404	1 00	46,404	10 00	51,560	.....	5,156
Richland...	530	97	514	5	2,570	1 00	2,570	+9 45	4,857	.....	2,287
Shelby.....	208	+100	208	+9	1,872	+1 00	1,872	+9 45	1,966	.....	94
Stephenson...	2,155	92	1,983	10	19,830	80	15,864	9 25	18,343	.....	2,479
Vermilion...	9,380	130	12,194	10	121,940	1 00	121,940	8 65	105,478	16,462	.....
Washington.	46	+100	46	10	460	1 10	506	7 75	356	150	.....
Wayne.....	326	107	349	6	2,094	1 10	2,303	8 80	3,071	.....	768
Will.....	3,110	100	3,110	11	34,210	1 05	35,920	9 10	28,301	7,619	.....
Winnebago..	47	+100	47	10	470	1 00	470	+9 45	444	25	.....
Total	174,926	98	171,985	9	1,557,898	\$1 00	\$1,579,634	9 45	\$1,565,715	\$127,907	\$113,388

†Estimated.

HAY.

Counties.	Average 1879 returned by assessors	Per cent. of increase or decrease	Acreage 1880.....	Yield per acre in tons	Total yield in tons.	Price per ton	Value of crop	Cost of production per acre.....	Total cost of production	Profit on crop.....	Loss on crop.....
Adams.....	27,478	93	25,554	1 1/2	38,331	\$9 35	\$358,395	\$3 75	\$223,597	\$134,798	.....
Alexander.....	544	100	544	2	1,088	9 75	10,608	7 45	4,053	6,555	.....
Bond.....	+15,787	86	13,577	1 1/2	13,971	7 75	131,525	6 20	84,177	47,348	.....
Bone.....	24,903	96	23,906	1 1/2	29,882	5 85	174,810	7 90	188,857	.....	\$14,047
Brown.....	9,419	100	9,419	2	18,838	4 60	86,655	5 45	51,333	35,322	.....
Bureau.....	44,122	100	44,122	1 1/2	66,183	5 20	344,152	7 50	330,905	13,237	.....
Calhoun.....	2,187	95	2,077	1 1/2	3,115	10 00	31,150	9 20	19,108	12,042	.....
Carroll.....	26,959	75	20,219	1 1/2	35,333	7 00	247,691	6 25	126,369	121,312	.....
Cass.....	4,312	98	4,255	1 1/2	6,382	7 00	44,674	10 15	43,188	1,486	.....
Champaign.....	34,658	100	34,658	1 1/2	43,322	5 00	216,610	5 75	199,283	17,327	.....
Christian.....	31,161	106	33,030	1 1/2	57,802	5 75	332,361	7 00	231,210	101,151	.....
Clark.....	15,891	98	15,255	1 1/2	22,882	5 00	114,410	7 35	112,124	2,286	.....
Clay.....	25,917	95	24,621	1	24,621	4 65	114,488	6 35	156,343	.....	41,855
Clinton.....	19,884	86	9,390	1 1/2	14,040	9 50	133,380	6 00	56,160	77,220	.....
Coles.....	20,028	86	17,224	1 1/2	21,530	5 00	107,650	7 15	123,152	.....	15,502
Cook.....	105,242	96	101,023	1 1/2	126,279	9 35	1,180,709	7 60	767,775	412,934	.....
Crawford.....	11,933	97	11,604	1 1/2	17,406	5 00	87,030	6 05	70,204	16,826	.....
Cumberland.....	13,793	100	13,793	1 1/2	24,138	5 65	136,380	5 00	63,965	67,415	.....
DeKalb.....	68,841	100	68,841	1 1/2	103,261	6 25	615,341	7 50	516,307	129,074	.....
DeWitt.....	13,562	99	13,426	1 1/2	20,139	7 50	151,042	6 35	85,255	65,787	.....
Douglas.....	17,723	96	17,014	1	17,014	6 00	102,044	6 25	106,337	.....	4,253
DuPage.....	34,723	83	32,140	1 1/2	48,210	9 00	433,890	10 45	335,863	98,027	.....
Edgar.....	27,610	98	27,058	1 1/2	40,587	5 75	233,375	7 00	189,406	43,969	.....
Edwards.....	8,086	93	7,530	1 1/2	11,280	5 25	59,220	7 20	54,144	5,076	.....
Effingham.....	17,513	100	17,513	1 1/2	30,648	6 35	194,615	6 10	106,839	87,786	.....
Fayette.....	14,626	109	15,912	1 1/2	23,913	6 75	161,413	6 55	101,420	51,993	.....
Ford.....	21,978	97	21,919	1 1/2	31,978	4 10	131,110	5 30	112,991	18,119	.....
Franklin.....	3,744	98	3,609	1 1/2	5,593	9 30	51,178	5 25	19,262	31,916	.....
Fulton.....	31,318	93	29,153	1 1/2	43,729	6 00	262,374	7 60	221,563	41,811	.....
Gallatin.....	2,969	95	2,820	1 1/2	3,525	12 00	42,300	9 40	26,508	15,792	.....
Greene.....	12,571	121	15,194	1 1/2	18,992	6 65	126,297	8 50	129,149	.....	2,852
Grundtvig.....	28,871	107	31,892	1 1/2	46,338	4 85	224,739	6 65	205,431	19,308	.....
Hamilton.....	5,521	98	5,410	2 1/2	12,172	8 35	101,636	3 70	20,017	81,619	.....
Hancock.....	36,837	92	31,891	1 1/2	42,362	6 10	258,408	6 75	223,757	29,651	.....
Hardin.....	2,165	100	2,165	3	6,495	11 00	71,445	7 85	16,995	54,450	.....
Henderson.....	10,055	93	9,351	2	18,702	7 80	112,212	7 80	72,938	39,274	.....
Henry.....	43,976	97	42,657	1 1/2	74,650	7 25	541,212	9 05	386,016	155,166	.....
Iroquois.....	53,949	95	51,239	1 1/2	76,933	5 00	384,665	6 10	312,863	71,802	.....
Jackson.....	5,883	98	5,765	1 1/2	10,039	10 00	100,890	7 10	40,931	59,959	.....
Jasper.....	12,827	102	13,083	1 1/2	16,354	5 50	89,917	5 65	73,919	16,028	.....
Jefferson.....	8,804	97	8,540	1	8,540	6 30	54,802	5 55	47,307	7,495	.....
Jersey.....	7,969	120	9,563	2	19,126	7 65	146,314	8 95	85,539	60,725	.....
JoDavies.....	35,451	90	31,906	1 1/2	39,882	8 35	333,015	7 65	244,081	88,934	.....
Johnson.....	4,027	100	4,027	1	4,027	10 00	40,270	7 05	28,399	11,871	.....
Kane.....	52,551	99	52,021	1 1/2	73,040	6 00	463,210	6 80	355,744	107,466	.....
Kankakee.....	47,584	91	43,001	1 1/2	75,777	6 75	511,495	5 60	242,486	269,009	.....
Kendall.....	31,083	100	31,083	2	62,176	6 00	373,056	9 00	279,792	93,264	.....
Knox.....	40,735	100	40,735	1 1/2	61,104	7 00	427,728	7 70	313,667	114,061	.....
Lake.....	45,241	91	41,176	1 1/2	61,764	5 60	345,878	7 35	302,643	43,235	.....
LaSalle.....	79,299	100	79,299	1 1/2	138,773	6 60	915,902	8 65	685,936	229,966	.....
Lawrence.....	8,337	91	7,586	1 1/2	11,379	5 00	56,895	6 60	51,067	6,828	.....

HAY—Continued.

Counties.	Areaage 1879, re- turned by assess- sors.....	Per cent. of in- crease or decrease	Areaage 1880.....	Yield per acre in tons.....	Total yield in tons	Price per ton.....	Value of crop.....	Cost of production per acre.....	Total cost of pro- duction.....	Profit on crop.....	Loss on crop.....
Lee	+35,644	86	30,654	2	61,308	\$6 25	\$383,175	\$7 65	\$234,503	\$148,672	.....
Livingston	59,834	110	65,817	1 1/4	115,180	5 00	575,900	7 00	460,719	115,181	.....
Logan.....	13,651	100	13,651	1 1/2	20,476	5 80	118,761	7 45	101,700	17,061	.....
Macon.....	16,071	100	16,171	1 1/2	24,106	6 50	156,609	8 95	143,835	12,774	.....
Macoupin.....	29,220	105	30,681	1 1/2	46,021	6 00	276,126	6 65	204,029	72,097	.....
Madison.....	15,204	93	14,140	1 1/2	21,210	10 75	228,007	10 10	142,814	85,193	.....
Marion.....	14,820	111	16,450	1 1/2	24,675	8 00	197,400	4 60	75,670	121,730	.....
Marshall.....	16,920	97	16,412	1 1/2	28,721	5 50	157,965	11 50	188,738	\$30,773	.....
Mason.....	+2,876	101	2,905	1 1/2	5,084	8 35	42,451	9 25	26,871	15,580	.....
Massac.....	2,868	106	3,040	1 1/2	3,000	14 00	53,200	6 90	20,976	32,224	.....
M'Donough.....	22,338	93	20,774	1 1/2	36,354	4 65	169,046	7 25	150,611	18,435	.....
McHenry.....	62,270	96	59,779	1 1/2	89,608	5 65	506,624	6 60	394,541	112,083	.....
McLean.....	54,631	94	51,353	1 1/2	89,868	4 75	426,873	7 50	385,147	41,726	.....
Menard.....	8,590	97	8,274	1 1/2	14,479	6 50	94,113	7 75	64,123	29,990	.....
Mercer.....	22,838	100	22,838	1 1/2	39,966	5 65	225,808	7 85	179,278	46,530	.....
Monroe.....	6,656	100	6,656	1 1/2	9,984	9 00	89,856	9 50	63,232	26,624	.....
Montgomery.....	28,926	88	25,455	1 1/2	38,182	5 60	213,819	6 70	170,548	43,271	.....
Morgan.....	36,244	93	33,707	1 1/2	58,988	7 00	412,916	10 35	348,867	64,149	.....
Moultrie.....	9,679	95	9,195	1 1/2	13,792	5 30	73,098	6 50	59,767	13,331	.....
Ogle.....	42,772	100	42,772	1 1/2	74,851	5 00	374,255	7 50	320,790	53,465	.....
Peoria.....	30,794	116	35,721	1 1/2	53,581	7 35	393,820	8 85	316,131	77,689	.....
Perry.....	2,533	103	2,609	1 1/2	8,261	8 35	27,229	6 15	16,045	11,184	.....
Platt.....	13,614	98	13,542	1 1/2	16,677	5 25	87,554	7 35	98,064	10,510	.....
Pike.....	16,496	88	14,516	1 1/2	25,403	8 60	218,466	7 25	105,241	113,225	.....
Pope.....	2,793	96	2,681	1	2,681	15 00	40,215	6 70	17,963	22,252	.....
Pulaski.....	3,000	103	3,090	2	6,180	10 00	61,800	7 40	22,866	38,934	.....
Putnam.....	6,599	100	6,599	1 1/2	11,548	5 50	63,514	7 95	52,462	11,052	.....
Randolph.....	8,584	100	8,584	1 1/2	12,876	8 00	103,008	9 05	77,685	25,323	.....
Richland.....	14,028	91	12,765	1	12,765	5 00	63,825	6 95	83,717	24,892	.....
Rock Island.....	23,694	94	22,272	2	44,544	7 80	347,443	8 10	180,403	167,040	.....
Saline.....	3,233	90	2,910	2	5,820	12 00	69,840	6 15	17,896	51,944	.....
Sangamon.....	24,561	93	22,842	1 1/2	39,973	6 50	259,824	10 95	250,120	9,704	.....
Schuyler.....	12,791	97	12,407	1 1/2	21,712	5 00	108,560	6 70	83,127	25,433	.....
Scott.....	4,598	97	4,460	2 1/2	11,150	7 25	80,837	6 45	28,767	52,070	.....
Shelby.....	26,242	92	24,142	1 1/2	42,248	5 40	228,139	7 75	187,100	41,039	.....
Stark.....	12,564	100	12,564	1 1/2	18,846	6 20	116,845	7 55	94,838	21,987	.....
St. Clair.....	12,287	96	11,795	1 1/2	20,641	12 70	2,801,012	12 25	144,489	113,523	.....
Stephenson.....	33,753	96	32,403	1 1/2	48,604	8 25	400,983	6 35	205,759	195,224	.....
Tazewell.....	24,368	102	24,855	1 1/2	43,496	6 50	282,724	7 70	191,383	91,341	.....
Union.....	4,739	100	4,739	1 1/2	7,108	12 00	85,296	7 35	34,832	50,464	.....
Vernon.....	39,047	90	35,142	1 1/2	52,713	5 35	282,014	6 65	233,694	48,320	.....
Wabash.....	5,545	96	5,323	1 1/2	7,984	6 25	49,900	7 10	37,793	12,107	.....
Warren.....	23,292	92	21,401	1 1/2	26,751	6 00	160,506	7 25	155,157	5,349	.....
Washingt'n.....	4,818	100	4,818	1 1/2	7,227	7 00	50,599	5 85	28,185	22,404	.....
Wayne.....	19,819	96	19,026	1	19,026	5 35	101,789	6 50	123,669	21,880	.....
White.....	8,365	103	8,617	1 1/2	12,925	8 00	103,400	6 30	54,287	49,113	.....
Whiteside.....	40,723	91	38,687	1 1/2	58,030	5 00	290,150	6 50	251,465	38,685	.....
Will.....	80,596	101	81,402	1 1/2	122,103	7 75	946,298	6 80	553,533	392,765	.....
Williams'n.....	4,273	90	3,846	2	7,692	8 00	61,536	6 80	26,153	35,383	.....
Winnebago.....	32,272	97	31,304	1	31,304	7 20	225,389	6 60	206,606	18,783	.....
Woodford.....	24,525	101	24,770	1 1/2	43,347	5 50	238,408	7 95	196,921	41,487	.....
Total	2,332,278	96	2,259,837	1 1/2	3,486,584	\$6 50	\$22,539,691	\$7 35	\$16,676,706	\$6,079,549	\$166,564

†Estimated.

PASTURES.

Comparative Acreage and Condition.

Counties.	ACREAGE.				CONDITION.			
	1879.	Per cent. of in- crease or decrease	1880.	Increase 1880.....	Decrease 1880.....	August 1, 1878....	August 1, 1879....	August 2, 1880....
Adams	44,366	90	39,929	.....	4,437	95	77	78
Alexander	112	100	112	.....	.....	100	96	88
Bond	*21,249	97	20,611	.....	638	72	86	98
Boone	41,423	100	41,423	.....	.....	95	100	103
Brown	24,422	101	24,666	244	.....	95	46	70
Bureau	107,813	103	111,047	3,234	.....	105	92	110
Calhoun	2,909	102	2,967	58	.....	85	74	90
Carroll	56,805	75	42,229	.....	14,076	100	105	87
Cass	15,853	98	15,536	.....	317	105	52	80
Champaign	85,040	100	85,040	.....	.....	90	70	92
Christian	53,226	98	52,161	.....	1,065	90	60	100
Clark	22,284	102	22,730	446	.....	100	86	100
Clay	13,587	96	13,043	.....	544	90	56	71
Clinton	26,679	104	27,746	1,067	.....	95	96	72
Coles	37,827	96	36,314	.....	1,513	112	72	85
Cook	85,153	96	81,747	.....	3,406	100	92	100
Crawford	26,142	100	26,142	.....	.....	100	75	100
Cumberland	22,277	98	21,831	.....	446	100	75	101
DeKalb	111,104	100	111,104	.....	.....	100	100	103
DeWitt	33,923	93	31,548	.....	2,375	85	73	87
Douglas	50,557	100	50,557	.....	.....	100	87	85
DuPage	47,025	96	45,144	.....	1,881	105	100	110
Edgar	106,497	97	103,302	.....	3,195	95	97	103
Edwards	6,720	102	6,854	134	.....	85	65	96
Effingham	19,178	100	19,178	.....	.....	105	95	92
Fayette	20,730	103	21,352	622	.....	85	84	72
Ford	28,545	104	29,687	1,142	.....	100	84	92
Franklin	2,039	98	1,998	.....	41	100	100	97
Fulton	1,225	96	1,176	.....	49	95	50	90
Gallatin	2,771	96	2,660	.....	111	100	95	82
Greene	46,572	122	56,818	10,246	.....	100	62	106
Grundy	54,143	106	57,391	3,248	.....	90	83	92
Hamilton	2,960	100	2,960	.....	.....	60	100	82
Hancock	53,296	100	53,296	.....	.....	90	60	94
Hardin	2,422	100	2,422	.....	.....	100	90	91
Henderson	48,053	95	45,650	.....	2,403	108	70	97
Henry	97,011	97	94,101	.....	2,910	92	92	82
Iroquois	93,089	103	95,888	2,793	.....	105	75	100
Jackson	4,850	100	4,850	.....	.....	100	103	90
Jasper	10,044	102	10,255	201	.....	100	78	92
Jefferson	17,670	95	16,786	.....	884	90	90	100
Jersey	22,879	120	27,455	4,576	.....	80	30	75
Jo Daviess	58,138	96	55,812	.....	2,326	108	97	91
Johnson	4,136	100	4,136	.....	.....	105	93	90
Kane	79,083	100	79,083	.....	.....	95	95	105
Kankakee	58,085	100	58,085	.....	.....	100	80	102
Kendall	51,121	100	51,121	.....	.....	80	84	100
Knox	139,263	102	142,048	2,785	.....	105	76	88
Lake	51,662	97	50,306	.....	1,556	100	90	104
LaSalle	104,331	100	104,331	.....	.....	90	80	97
Lawrence	12,440	103	12,793	373	.....	100	53	96

PASTURES—Continued.

Comparative Acreage and Condition.

Counties.	ACREAGE.				CONDITION.		
	1879.	Per cent. of increase or decrease	1880.	Increase 1880,.....	Decrease 1880,.....	August 1, 1879...	August 2, 1880...
Lee.....	*53,728	97	56,966	.....	1,762	95	96
Livingsston.....	74,464	107	79,676	5,212	.....	100	80
Logan.....	49,865	91	45,377	.....	4,488	100	67
Macon.....	46,855	100	46,855	.....	.....	100	62
Macoupin.....	29,126	101	29,417	291	.....	95	43
Madison.....	29,596	100	29,596	.....	.....	90	62
Marion.....	23,632	100	23,632	.....	.....	100	95
Marshall.....	33,694	103	34,705	1,011	.....	95	82
Mason.....	*7,295	100	7,295	.....	.....	90	43
Massac.....	2,404	103	2,476	72	.....	100	96
McDonough.....	19,062	91	17,346	.....	1,716	95	40
McHenry.....	118,965	102	121,344	2,379	.....	100	100
McLean.....	142,033	99	140,613	.....	1,420	100	74
Menard.....	38,009	95	36,108	.....	1,901	90	60
Mercer.....	75,984	97	73,704	.....	2,280	92	70
Monroe.....	5,508	102	5,618	110	.....	75	65
Montgomery.....	60,014	96	57,613	.....	2,401	100	60
Morgan.....	89,439	92	82,244	.....	7,155	110	31
Moultrie.....	34,400	97	33,368	.....	1,032	100	62
Ogle.....	70,525	97	68,405	.....	2,116	105	99
Peoria.....	54,916	88	48,326	.....	6,590	95	90
Perry.....	4,868	100	4,868	.....	.....	95	85
Piatt.....	42,121	105	44,277	2,156	.....	95	86
Pike.....	85,800	95	81,510	.....	4,290	105	50
Pope.....	8,873	96	8,518	.....	355	80	68
Pulaski.....	700	103	721	21	.....	100	95
Putnam.....	16,504	100	16,504	.....	.....	105	95
Randolph.....	9,177	101	9,269	92	.....	95	95
Richland.....	13,253	93	12,325	.....	928	90	62
Rock Island.....	47,164	103	48,579	1,415	.....	100	96
Saline.....	1,649	100	1,649	.....	.....	100	100
Sangamon.....	129,092	94	121,346	.....	7,746	108	40
Schuyler.....	22,467	100	22,477	.....	.....	95	54
Scott.....	17,383	88	15,297	.....	2,086	105	23
Shelby.....	50,197	95	47,687	.....	2,510	100	62
Stark.....	32,644	97	31,665	.....	979	90	81
St. Clair.....	13,642	96	13,096	.....	546	97	77
Stephenson.....	49,070	85	41,709	.....	7,361	100	91
Tazewell.....	44,424	100	44,424	.....	.....	100	70
Union.....	4,796	100	4,796	.....	.....	100	102
Vermilion.....	107,781	91	98,091	.....	9,700	105	18
Wabash.....	4,733	100	4,733	.....	.....	90	81
Warren.....	79,640	100	79,680	.....	.....	100	88
Washington.....	13,578	102	13,849	271	.....	100	14
Wayne.....	26,838	100	26,838	.....	.....	95	85
White.....	8,916	106	9,451	535	.....	80	85
Whiteside.....	77,609	100	77,609	.....	.....	95	109
Will.....	110,577	98	108,385	.....	2,212	90	90
Williamson.....	3,581	100	3,581	.....	.....	85	87
Winnebago.....	63,941	97	62,023	.....	1,918	100	101
Woodford.....	46,014	100	46,014	.....	.....	85	73
Total.....	4,329,985	98	4,257,054	44,734	117,665	...	...

CORN.

Comparative Acreage and Condition.

Counties.	Acreage 1879, re- turned by assess- ors	Per cent. of in- crease or decrease	Acreage 1880.....	Increase 1880 ...	Decrease 1880.....	CONDITION.		
						Aug. 2, 1880	Aug. 1, 1879	Aug. 1, 1878
Adams	88,422	103	91,075	2,653	.....	85	102	77
Alexander.....	10,239	100	10,239	.....	.....	91	103	110
Bond	*33,340	85	32,539	.....	5,751	87	113	65
Boone	28,055	107	30,019	1,964	.....	108	100	90
Brown	34,050	90	30,645	.....	3,405	75	75	65
Bureau	183,152	106	194,141	10,989	.....	105	106	92
Calhoun.....	14,715	100	14,715	.....	.....	100	111	90
Carroll.....	63,733	103	65,645	1,912	.....	100	80	95
Cass	50,551	98	49,548	.....	1,011	87	87	75
Christian	227,029	93	211,137	.....	15,892	93	108	85
Champaign	112,035	66	93,743	.....	48,292	98	110	62
Clark	45,857	87	39,895	.....	5,962	86	95	50
Clay	32,225	95	30,614	.....	1,611	62	95	85
Clinton	48,893	94	45,959	.....	2,934	78	117	90
Coles	71,201	91	64,793	.....	6,408	100	110	80
Cook	53,347	102	54,414	1,067	.....	101	92	95
Crawford	35,300	91	32,123	.....	3,177	93	92	80
Cumberland.....	29,806	82	24,441	.....	5,365	88	96	52
DeKalb	115,281	104	119,892	4,611	.....	114	110	95
DeWitt	79,503	90	71,553	.....	7,950	88	106	75
Douglas	74,290	100	74,290	.....	.....	100	110	75
DuPage	31,773	105	33,362	1,589	.....	105	85	95
Edgar	117,558	87	102,275	.....	15,283	106	106	80
Edwards	19,281	81	15,618	.....	3,663	92	95	90
Effingham	37,547	105	39,424	1,877	.....	96	107	45
Fayette	51,152	98	50,129	.....	1,023	62	114	75
Ford	126,855	97	123,049	.....	3,806	86	105	80
Franklin	19,847	96	19,053	.....	794	78	122	100
Fulton	110,017	103	113,317	3,300	.....	100	108	85
Gallatin	27,117	90	24,405	.....	2,712	45	110	80
Greene	53,514	97	51,908	.....	1,606	106	102	85
Grundy	91,486	115	105,209	13,723	.....	86	105	62
Hamilton	24,748	96	23,758	.....	990	83	110	85
Hancock	125,192	101	125,192	.....	.....	101	95	80
Hardin	9,415	103	9,719	284	.....	76	105	100
Henderson	68,836	103	70,901	2,065	.....	105	107	95
Henry	193,637	105	203,319	9,682	.....	98	104	80
Iroquois	249,194	96	239,226	.....	9,968	80	110	100
Jackson	27,265	85	23,175	.....	4,090	83	112	100
Jasper	29,685	96	28,498	.....	1,187	91	103	55
Jefferson	35,26	97	34,207	.....	1,058	88	111	85
Jersey	34,448	102	35,137	689	.....	98	12	60
Jo Daviess	55,927	100	55,027	.....	.....	101	107	100
Johnson	20,186	100	20,186	.....	.....	90	118	100
Kane	50,365	102	51,372	1,007	.....	108	1	2
Kankakee	127,750	90	114,975	.....	12,775	67	90	75
Kendall	73,894	103	76,111	2,217	.....	89	80	72
Knox	151,065	106	160,129	9,064	.....	91	110	90
Lake	22,293	96	21,401	.....	892	101	96	85
LaSalle	252,569	99	250,043	.....	2,526	93	104	60
Lawrence	31,562	88	27,774	.....	3,788	86	110	65

CORN—Continued.

Comparative Acreage and Condition.

Counties.	Acreage 1879, re- turned by assess- ors	Per cent. of in- crease or decrease	Acreage 1880.....	Increase 1880....	Decrease 1880....	CONDITION.		
						Aug. 2, 1880	Aug. 1, 1879	Aug. 1, 1878
Lee.....	*103,809	111	115,228	11,419	.....	108	108	90
Livingston.....	272,756	92	250,935	.....	21,821	62	120	52
Logan.....	156,119	97	151,435	.....	4,684	82	85	81
Macon.....	119,423	93	111,063	.....	8,360	105	88	75
Macoupin.....	102,827	85	87,403	.....	15,424	109	96	71
Madison.....	89,576	93	83,306	.....	6,270	91	110	55
Marion.....	39,732	96	38,143	.....	1,589	87	150	120
Marshall.....	79,611	107	85,164	5,573	.....	93	107	82
Mason.....	*67,599	91	61,515	.....	6,084	76	90	85
Massac.....	15,348	100	15,348	.....	.....	90	100	100
McDonough.....	99,440	102	101,429	1,989	.....	76	95	77
McHenry.....	55,383	107	59,260	3,877	.....	115	100	92
McLean.....	272,137	97	263,973	.....	8,164	80	108	90
Menard.....	60,052	95	57,049	.....	3,003	95	77	77
Mercer.....	105,944	106	112,301	6,357	.....	98	100	100
Monroe.....	17,882	99	17,703	.....	179	88	87	85
Montgomery.....	105,047	73	76,684	.....	28,363	103	119	50
Morgan.....	101,297	98	99,271	.....	2,026	111	85	70
Moultrie.....	58,520	86	50,327	.....	8,193	98	101	80
Ogle.....	114,314	100	114,314	.....	.....	103	103	100
Peoria.....	120,423	110	132,465	12,042	.....	100	105	75
Perry.....	11,633	100	11,633	.....	.....	58	122	100
Piatt.....	97,153	93	90,352	.....	6,801	93	105	85
Pike.....	73,120	87	63,614	.....	9,506	98	100	90
Pope.....	23,241	100	23,241	.....	.....	60	113	102
Pulaski.....	11,880	100	11,880	.....	.....	96	113	80
Putnam.....	30,556	102	31,167	611	.....	100	100	90
Randolph.....	27,907	105	29,302	1,395	.....	81	110	90
Richland.....	26,334	96	25,281	.....	1,053	93	102	86
Rock Island.....	65,053	103	67,004	1,951	.....	99	107	90
Saline.....	21,947	80	17,558	.....	4,389	95	107	95
Sangamon.....	155,346	88	136,704	.....	18,642	102	90	75
Schuyler.....	44,887	99	44,438	.....	449	88	102	86
Scott.....	30,096	91	27,387	.....	2,709	77	62	75
Shelby.....	88,509	87	77,003	.....	11,503	100	105	85
Stark.....	68,705	101	69,392	687	.....	96	100	82
St. Clair.....	43,960	100	43,960	.....	.....	95	114	100
Stephenson.....	77,851	105	81,743	3,892	.....	101	105	96
Tazewell.....	123,239	96	118,309	.....	4,930	95	110	96
Union.....	19,775	100	19,775	.....	.....	95	123	110
Vermilion.....	151,337	93	140,743	.....	10,594	117	113	100
Wabash.....	16,882	91	15,363	.....	1,519	73	104	95
Warren.....	121,803	105	127,893	6,090	.....	96	110	96
Washington.....	31,240	100	31,240	.....	.....	50	109	75
Wayne.....	42,002	84	35,282	.....	6,720	68	116	100
White.....	49,070	100	49,070	.....	.....	60	111	87
Whiteside.....	113,278	112	126,871	13,593	.....	102	105	84
Will.....	131,228	102	133,852	2,624	.....	103	100	80
Williamson.....	21,949	95	20,851	.....	1,098	62	112	86
Winnebago.....	72,981	103	75,170	2,189	.....	96	110	96
Woodford.....	117,084	98	114,742	.....	2,342	77	126	73
Total.....	7,801,900	97	7,574,545	142,982	370,337	.....	.....	.....

*Estimated.

HORSES, MULES AND ASSES.

Counties.	HORSES.				MULES AND ASSES.	
	Number assess- ed, 1879.....	Number assess- ed, 1880.....	Number colts foaled, 1879...	Number horses died, 1879.....	Number assess- ed, 1879.....	Number assess- ed, 1880.....
Dams.....	12,266	11,952	.....	.....	2,670	2,296
Alexander.....	1,232	1,365	.....	.....	733	785
Anderson.....	5,818	6,051	.....	.....	938	985
Bacon.....	5,439	5,447	360	140	66	65
Barnes.....	4,586	4,336	415	194	811	691
Bell.....	15,309	15,565	1,763	629	500	618
Bellamy.....	2,262	2,295	141	114	672	608
Bellamy.....	7,688	7,771	.....	.....	293	278
Bellamy.....	4,002	4,304	291	169	947	901
Bellamy.....	17,556	17,542	1,289	971	2,718	2,641
Bellamy.....	11,540	12,085	1,013	473	2,898	2,499
Bellamy.....	6,987	6,731	373	248	828	634
Bellamy.....	5,079	5,270	.....	.....	1,206	984
Bellamy.....	4,855	5,225	324	232	1,849	2,014
Bellamy.....	10,070	9,936	.....	.....	1,151	926
Bellamy.....	31,612	30,832	.....	.....	517	551
Bellamy.....	5,143	5,367	336	212	556	447
Bellamy.....	4,389	4,800	191	278	776	727
Bellamy.....	13,111	13,324	1,260	412	374	382
Bellamy.....	7,801	7,569	620	381	781	795
Bellamy.....	7,833	7,818	247	186	1,059	1,011
Bellamy.....	5,717	6,305	550	228	140	155
Bellamy.....	10,987	11,457	459	276	1,152	1,030
Bellamy.....	3,154	3,230	186	132	669	755
Bellamy.....	5,661	5,679	329	350	1,028	945
Bellamy.....	9,518	9,508	470	342	1,562	1,399
Bellamy.....	5,902	6,660	.....	.....	989	1,103
Bellamy.....	3,980	3,795	168	125	1,746	1,611
Bellamy.....	15,486	15,760	1,442	547	1,096	1,035
Bellamy.....	3,047	3,286	.....	.....	1,153	1,307
Bellamy.....	7,351	7,675	.....	.....	1,307	1,274
Bellamy.....	7,933	7,959	509	233	419	363
Bellamy.....	3,611	5,257	.....	.....	987	1,216
Bellamy.....	14,419	15,150	.....	.....	1,993	1,682
Bellamy.....	1,292	1,320	72	56	657	638
Bellamy.....	6,006	6,036	556	243	566	461
Bellamy.....	17,610	18,456	1,686	509	1,182	1,056
Bellamy.....	19,758	20,582	1,446	1,110	1,674	1,709
Bellamy.....	3,983	4,316	317	236	1,838	1,895
Bellamy.....	5,198	5,354	269	390	936	881
Bellamy.....	6,146	6,673	.....	.....	2,160	1,911
Bellamy.....	4,922	5,001	.....	.....	896	835
Bellamy.....	9,137	9,676	695	279	236	224
Bellamy.....	2,308	2,495	243	132	1,519	1,610
Bellamy.....	10,728	10,754	611	231	210	222
Bellamy.....	7,709	7,657	738	361	388	361
Bellamy.....	7,408	7,480	494	177	337	322
Bellamy.....	16,165	16,248	1,693	531	865	770
Bellamy.....	6,566	6,040	85	13	55	54
Bellamy.....	25,553	26,443	435	728	919	858
Bellamy.....	4,784	4,750	307	251	823	779

HORSES, MULES AND ASSES—Continued.

Counties.	HORSES.				MULES AND ASSES.	
	Number asses- ed, 1879.....	Number asses- ed, 1880.....	Number colts foaled, 1879...	Number horses died, 1879....	Number asses- ed, 1879.....	Number asses- ed, 1880.....
Lee	10,943	13,388	.....	.....	317	311
Livingston.....	21,086	21,901	1,501	815	1,346	1,297
Logan.....	11,628	11,305	751	405	2,359	2,154
Macon.....	11,437	11,361	819	405	2,356	1,967
Macoupin.....	15,172	15,566	666	255	2,319	1,957
Madison.....	10,512	11,331	500	200	4,184	4,422
Marion.....	7,524	7,667	414	310	1,586	1,408
Marshall.....	7,060	7,092	660	217	227	221
Mason.....	5,014	4,784	.....	.....	2,055	2,004
Massac.....	1,414	1,645	98	80	1,336	1,397
McDonough.....	12,916	12,802	.....	.....	1,307	1,055
McHenry.....	10,776	11,238	789	188	146	133
McLean.....	24,178	25,418	2,208	916	1,792	1,807
Menard.....	4,214	4,742	396	189	998	814
Mercer.....	11,380	11,344	1,360	440	847	792
Monroe.....	3,232	3,149	142	161	1,938	2,062
Montgomery.....	11,615	12,289	751	419	2,347	2,206
Morgan.....	4,769	5,712	450	150	924	1,105
Moultrie.....	6,455	6,436	.....	.....	851	759
Ogle.....	15,911	15,999	1,314	461	262	258
Peoria.....	12,471	12,701	966	434	713	681
Perry.....	2,862	3,388	123	81	1,246	1,245
Piatt.....	7,561	7,824	419	265	1,245	1,273
Pike.....	10,796	10,725	80	39	2,584	2,305
Pope.....	3,020	3,235	264	134	1,562	1,566
Pulaski.....	1,158	1,337	300	30	474	553
Putnam.....	3,187	3,277	296	104	139	128
Randolph.....	6,121	6,647	392	259	2,222	2,320
Richland.....	3,901	4,220	.....	.....	747	729
Rock Island.....	7,387	7,916	545	205	458	422
Saline.....	3,104	3,061	212	156	1,593	1,581
Sangamon.....	16,220	17,001	1,323	694	3,962	3,138
Schuyler.....	7,317	7,166	586	220	742	569
Scott.....	3,312	3,726	.....	.....	578	455
Shelby.....	13,807	14,077	.....	.....	1,635	1,420
Stark.....	6,543	6,928	544	226	284	278
St. Clair.....	6,592	7,794	364	291	4,497	5,183
Stephenson.....	10,714	11,136	944	405	480	468
Tazewell.....	11,437	11,540	.....	.....	640	710
Union.....	3,912	3,615	244	123	1,462	1,531
Vermilion.....	16,235	17,090	1,085	735	1,900	1,649
Wabash.....	2,509	2,524	124	124	673	647
Warren.....	12,317	12,490	1,464	482	899	799
Washington.....	5,750	6,760	470	315	2,187	2,348
Wayne.....	8,674	7,093	506	316	1,436	1,427
White.....	5,821	6,129	346	289	1,911	1,901
Whiteside.....	12,112	12,760	.....	.....	401	367
Will.....	15,053	14,848	1,208	407	394	410
Williamson.....	3,855	3,945	314	169	2,278	2,196
Winnebago.....	9,395	9,390	647	292	200	177
Woodford.....	10,242	10,477	986	547	596	385
Total.....	887,238	912,586	49,952	24,877	121,373	116,260

CATTLE.

Number Fat Cattle for Market 1879-1880.

Counties.	Number assessed May, 1879.....	Number assessed May, 1880.....	*Per ct. of cattle on hand May 1, 1880, that will be sold during 1880, as fat cattle.....	Number of fat cattle for 1880 market.....	Number of fat cattle marketed 1879.....	Increase fat cattle.....	Decrease fat cattle.....
Adams	24,544	25,190	20	5,038	2,454	2,584	.....
Alexander	2,242	2,956	20	591	224	367	.....
Bond	9,572	10,314	20	2,063	1,436	627	.....
Boone	18,556	19,367	20	3,873	2,783	1,090	.....
Brown	8,403	9,345	20	1,869	2,101	.....	232
Bureau	36,802	39,530	20	7,916	7,723	188	.....
Calhoun	4,295	4,195	20	839	644	195	.....
Carroll	26,850	29,058	20	5,812	2,685	3,127	.....
Cass	10,296	10,171	20	2,034	5,148	.....	3,114
Champaign	25,858	27,230	20	5,446	3,879	1,567	.....
Christian	22,750	24,299	20	4,860	5,688	.....	828
Clark	10,921	11,213	20	2,243	1,092	1,151	.....
Clay	10,063	10,465	20	2,093	1,509	584	.....
Clinton	7,579	8,827	20	1,765	1,895	.....	130
Coles	19,360	21,745	20	4,349	3,872	477	.....
Cook	40,010	40,479	20	8,096	6,006	2,090	.....
Crawford	7,226	7,963	20	1,593	2,163	.....	575
Cumberland	6,975	8,319	20	1,664	2,441	.....	777
DeKalb	43,133	45,208	20	9,042	7,333	1,709	.....
DeWitt	13,141	14,147	20	2,829	920	1,909	.....
Douglas	15,544	18,201	20	3,640	3,108	532	.....
DuPage	20,660	21,866	20	4,373	3,925	448	.....
Edgar	27,323	30,407	20	6,081	10,365	.....	4,302
Edwards	7,111	8,448	20	1,690	1,422	26	.....
Effingham	9,863	10,434	20	2,087	1,775	31	.....
Fayette	15,825	17,442	20	3,488	3,165	322	.....
Ford	7,347	9,760	20	1,952	1,469	48	.....
Franklin	4,467	5,068	20	1,014	893	121	.....
Fulton	35,078	35,820	20	7,164	10,523	.....	3,359
Gallatin	5,122	6,310	20	1,238	615	623	.....
Greene	18,839	17,786	20	3,57	3,391	16	.....
Grundy	17,595	17,681	20	3,536	2,991	545	.....
Hamilton	6,996	10,636	20	2,127	1,189	93	.....
Hancock	30,400	32,282	20	6,456	5,776	68	.....
Hardin	2,132	2,798	20	560	213	347	.....
Henderson	13,836	13,521	20	2,704	2,767	.....	63
Henry	40,235	43,869	20	8,774	8,449	325	.....
Iroquois	29,748	33,254	20	6,651	5,950	701	.....
Jackson	6,552	7,851	20	1,570	983	587	.....
Jasper	9,481	10,165	20	2,083	1,422	611	.....
Jefferson	10,117	10,955	20	2,191	1,518	673	.....
Jersey	7,940	7,962	20	1,592	1,429	163	.....
Jo Daviess	31,709	34,645	20	7,729	6,976	753	.....
Johnson	3,769	4,221	20	844	376	468	.....
Kane	44,092	46,311	21	9,262	7,196	2,066	.....
Kankakee	16,469	16,771	20	3,354	3,294	60	.....
Kendall	19,658	19,505	20	3,901	3,342	559	.....
Knox	35,670	36,516	20	7,305	5,350	1,955	.....
Lake	21,177	20,205	20	4,041	3,117	864	.....
LaSalle	50,734	52,873	20	10,575	12,683	2,108
Lawrence	7,872	8,422	20	1,684	5,668	3,984

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CATTLE—Continued.

Number Fat Cattle for Market 1879-1880.

Counties.	Number assessed May, 1879.....	Number assessed May, 1880.....	*Per ct. of cattle on hand May 1, 1880, that will be sold during 1880, as fat cattle.....	Number of fat cattle for 1880 market.....	Number of fat cattle marketed 1879.....	Increase fat cattle.....	Decrease fat cattle.....
Lee.....	31,449	34,783	20	6,957	6,290	667	.....
Livingston.....	29,286	30,242	20	6,048	7,321	.....	1,273
Logan.....	18,052	21,009	20	4,202	5,416	.....	1,214
Macon.....	17,315	17,704	20	3,541	1,731	1,810	.....
Macoupin.....	31,070	31,265	20	6,253	23,302	.....	17,049
Madison.....	12,404	14,136	20	2,827	1,861	966	.....
Marion.....	13,726	14,462	20	2,892	6,177	.....	3,285
Marshall.....	14,564	14,451	20	2,890	2,913	.....	23
Mason.....	6,444	6,611	20	1,322	644	678	.....
Massac.....	3,273	4,119	20	824	327	497	.....
McDonough.....	24,828	25,100	20	5,020	4,966	54	.....
McHenry.....	39,519	42,936	20	8,587	5,928	2,659	.....
McLean.....	45,610	48,622	20	9,724	14,595	.....	4,871
Menard.....	11,314	11,166	20	2,233	5,657	.....	3,424
Mercer.....	23,804	31,873	20	6,275	8,641	.....	2,366
Monroe.....	3,632	3,889	20	778	363	415	.....
Montgomery.....	18,633	20,218	20	4,044	9,316	.....	5,272
Morgan.....	13,187	15,275	20	3,055	8,440	.....	5,385
Moutrie.....	10,413	12,035	20	2,407	2,707	.....	300
Ogle.....	45,749	50,810	20	10,162	4,574	5,538	.....
Peoria.....	29,874	29,834	20	5,967	4,481	1,486	.....
Perry.....	5,581	5,664	20	1,133	1,172	.....	39
Piatt.....	12,681	13,462	20	2,692	4,438	.....	1,746
Pike.....	21,335	21,552	20	4,310	4,480	.....	170
Pope.....	5,834	5,672	20	1,134	583	551	.....
Pulaski.....	2,719	2,756	20	551	462	89	.....
Putnam.....	6,766	6,710	20	1,342	2,706	.....	1,364
Randolph.....	9,386	10,852	20	2,170	1,877	293	.....
Richland.....	8,852	10,338	20	2,068	1,528	740	.....
Rock Island.....	19,959	22,831	20	4,566	4,990	.....	424
Saline.....	4,777	5,211	20	1,042	955	87	.....
Sangamon.....	43,719	44,028	20	8,806	8,743	63	.....
Schuyler.....	15,879	17,101	20	3,420	3,335	85	.....
Scott.....	6,992	6,925	20	1,385	1,748	.....	363
Shelby.....	23,274	24,103	20	4,821	4,655	166	.....
Stark.....	13,311	13,888	20	2,778	1,997	781	.....
St. Clair.....	8,177	9,559	20	1,912	817	1,095	.....
Stephenson.....	23,965	34,805	20	6,961	3,765	3,196	.....
Tazewell.....	21,547	22,243	20	4,449	4,309	140	.....
Union.....	5,600	6,119	20	1,224	1,120	104	.....
Vermilion.....	32,508	38,305	20	7,661	6,502	1,159	.....
Wabash.....	4,738	5,493	20	1,099	473	626	.....
Warren.....	21,933	25,377	20	5,075	3,729	1,346	.....
Washington.....	9,200	12,604	20	2,521	1,564	957	.....
Wayne.....	16,472	19,377	20	3,875	2,471	1,404	.....
White.....	9,254	10,956	20	2,191	1,851	340	.....
Whiteside.....	36,245	39,536	20	7,917	14,498	.....	6,581
Will.....	43,376	44,326	20	8,665	8,675	190	.....
Williamson.....	5,499	5,222	20	1,044	1,155	.....	111
Winnebago.....	28,035	30,207	20	6,041	2,803	3,238	.....
Woodford.....	18,536	18,390	20	3,678	3,707	.....	29
Total.....	1,862,265	1,999,788	20	399,955	409,982	64,734	74,761

* State average.

HOGS.

Number Fat Hogs for Market 1879-1880.

Counties.	Number assessed May, 1879	Number assessed May, 1880	*Per cent of hogs on hand May 1, 1880, that will be sold during 1880 as fat hogs	Number of fat hogs for 1881 market	Number of fat hogs marketed 1879	Increase fat hogs	Decrease fat hogs
Adams	49,684	53,054	70	40,638	30,801	9,834	.....
Alexander	5,916	5,697	70	3,988	3,845	143	.....
Bond	10,676	14,888	70	10,422	6,406	4,016	.....
Boone	14,123	15,341	70	10,739	11,298	.....	559
Brown	18,171	21,352	70	14,946	13,810	1,136	.....
Bureau	82,401	73,176	70	51,223	53,561	.....	2,338
Calhoun	9,431	9,394	70	6,576	6,130	446	.....
Carroll	31,543	35,082	70	24,557	20,503	4,054	.....
Cass	10,894	12,688	70	8,882	8,715	167	.....
Champaign	49,916	56,387	70	39,457	31,447	8,010	.....
Christian	40,744	47,002	70	32,901	24,854	8,047	.....
Clark	21,237	21,358	70	14,951	13,379	1,572	.....
Clay	14,255	16,742	70	11,719	9,266	2,453	.....
Clinton	10,776	13,570	70	9,464	8,082	1,382	.....
Coles	32,035	35,052	70	24,576	24,026	510	.....
Cook	20,180	15,645	70	10,951	16,144	.....	5,193
Crawford	16,280	20,267	70	14,187	10,419	3,768	.....
Cumberland	11,423	15,974	70	11,182	3,427	7,755	.....
DeKalb	37,160	42,276	70	29,595	29,728	.....	133
DeWitt	23,207	28,468	70	19,928	17,637	2,291	.....
Douglas	22,363	25,992	70	18,194	15,654	2,510	.....
DuPage	12,452	14,905	70	10,433	9,962	471	.....
Edgar	32,466	32,687	70	22,881	21,428	1,453	.....
Edwards	13,435	13,214	70	9,25	10,076	.....	826
Effingham	10,559	16,232	70	11,362	5,279	6,083	.....
Fayette	22,488	33,933	70	23,753	14,167	9,586	.....
Ford	17,646	22,973	70	16,085	13,940	2,145	.....
Franklin	12,963	14,822	70	10,375	9,074	1,301	.....
Fulton	58,167	71,057	70	49,740	46,534	3,206	.....
Gallatin	12,756	15,104	70	10,573	7,654	2,919	.....
Greene	23,126	27,048	70	18,934	11,563	7,371	.....
Grundy	20,968	16,940	70	11,858	14,678	.....	2,820
Hamilton	11,946	15,894	70	11,126	4,778	6,348	.....
Hancock	49,161	53,714	70	41,100	29,497	11,603	.....
Hardin	8,879	9,176	70	6,423	3,108	3,315	.....
Henderson	23,705	27,288	70	19,102	18,253	849	.....
Henry	81,726	86,198	70	60,339	49,036	11,303	.....
Iroquois	50,868	55,712	70	38,998	38,660	338	.....
Jackson	15,355	19,298	70	13,509	10,134	3,375	.....
Jasper	12,012	17,803	70	12,462	9,249	3,213	.....
Jefferson	16,826	21,165	70	14,815	10,600	4,215	.....
Jersey	18,363	19,961	70	13,973	11,752	2,221	.....
JoDavies	36,124	40,119	70	28,083	28,899	.....	816
Johnson	10,539	13,740	70	9,618	7,904	1,714	.....
Kane	23,378	27,287	70	19,101	18,702	399	.....
Kankakee	13,477	13,308	70	9,316	8,760	556	.....
Kendall	22,997	24,379	70	17,065	13,798	3,267	.....
Knox	55,344	56,205	70	39,343	49,810	.....	10,467
Lake	12,833	12,769	70	8,938	10,266	.....	1,328
LaSalle	67,365	66,234	70	46,364	50,524	.....	4,160
Lawrence	14,528	17,269	70	12,088	10,170	1,918	.....

HOGS—Continued.

Number Fat Hogs for Market 1879-1880.

Counties.	Number assessed May, 1879	Number assessed May, 1880	*Per cent. of hogs on hand May 1, 1880, that will be sold during 1880 as fat hogs.....	Number of fat hogs for 1880 market.....	Number of fat hogs marketed 1879.....	Increase fat hogs.....	Decrease fat hogs
Lee.....	34,286	31,858	70	22,301	20,512	1,729	.....
Livingston.....	77,480	74,662	70	52,263	54,236	.....	1,973
Logan.....	40,041	43,386	70	30,370	29,230	1,140	.....
Macon.....	37,827	46,585	70	32,609	28,370	4,239	.....
Macoupin.....	45,297	49,768	70	34,838	36,238	.....	1,400
Madison.....	32,102	41,568	70	29,098	19,903	9,195	.....
Marion.....	17,542	21,642	70	15,149	13,156	1,993	.....
Marshall.....	30,688	29,038	70	20,327	19,026	1,301	.....
Mason.....	13,670	14,781	70	10,346	8,885	1,461	.....
Massac.....	9,408	10,908	70	7,636	7,344	292	.....
McDonough.....	49,359	56,877	70	39,814	28,123	11,691	.....
McHenry.....	23,311	27,449	70	19,214	18,649	565	.....
McLean.....	86,711	95,113	70	66,579	66,767	.....	188
Menard.....	16,246	17,287	70	12,101	11,372	729	.....
Mercer.....	49,904	53,989	70	37,792	30,940	6,852	.....
Monroe.....	10,216	12,254	70	8,578	6,130	2,448	.....
Montgomery.....	30,417	41,567	70	29,097	18,250	10,847	.....
Morgan.....	10,787	13,325	70	9,327	7,767	1,560	.....
Moultrie.....	18,764	22,342	70	15,639	13,135	2,504	.....
Ogle.....	45,168	51,342	70	35,939	29,359	6,580	.....
Peoria.....	40,232	43,349	70	30,344	32,990	.....	2,646
Perry.....	7,035	8,953	70	6,267	3,728	2,539	.....
Piatt.....	23,677	27,323	70	19,126	17,994	1,132	.....
Pike.....	43,662	54,577	70	38,204	28,817	9,387	.....
Pope.....	16,485	15,667	70	10,967	11,539	.....	572
Pulaski.....	4,122	4,471	70	3,130	2,855	245	.....
Putnam.....	12,430	11,264	70	7,885	8,701	.....	816
Randolph.....	16,944	21,704	70	15,193	11,861	3,332	.....
Richland.....	10,262	13,134	70	9,194	7,389	1,805	.....
Rock Island.....	29,559	31,671	70	22,170	20,691	1,479	.....
Saline.....	15,165	17,511	70	12,258	12,435	.....	177
Sangamon.....	55,672	68,628	70	48,040	54,558	.....	6,518
Schuyler.....	26,165	31,564	70	22,095	16,222	5,873	.....
Scott.....	15,631	17,852	70	12,496	10,942	1,554	.....
Shelby.....	37,839	49,579	70	34,705	35,947	.....	1,242
Stark.....	30,092	32,011	70	22,408	24,074	.....	1,666
St. Clair.....	14,703	22,805	70	15,963	10,292	5,671	.....
Stephenson.....	45,159	44,585	70	31,209	29,353	1,856	.....
Tazewell.....	36,710	37,351	70	26,146	23,127	3,019	.....
Union.....	15,956	18,366	70	12,856	11,169	1,687	.....
Vermilion.....	47,825	58,550	70	40,985	35,869	5,116	.....
Wabash.....	7,533	6,948	70	4,864	5,273	.....	409
Warren.....	40,811	53,451	70	37,416	35,097	2,319	.....
Washington.....	9,018	15,609	70	10,926	5,411	5,515	.....
Wayne.....	22,997	22,929	70	16,050	15,868	182	.....
White.....	23,087	26,360	70	18,452	17,315	1,137	.....
Whiteside.....	45,521	41,049	70	28,734	31,865	.....	3,131
Will.....	30,310	28,428	70	19,899	24,248	.....	4,349
Williamson.....	17,858	19,304	70	13,513	12,501	1,012	.....
Winnebago.....	23,145	25,347	70	17,743	17,822	.....	79
Woodford.....	39,375	41,699	70	29,189	33,469	.....	4,280
Total	2,799,051	3,133,557	70	2,193,487	1,984,294	267,279	58,086

SHEEP.

Number Fat Sheep for Market 1879-1880.

Counties.	Number assessed May, 1879.....	Number assessed May, 1880.....	*Per ct. of sheep on hand May 1, 1880, that will be sold in 1880 as fat sheep.....	Number of fat sheep for 1880 market.....	Number of fat sheep marketed 1879.....	Increase fat sheep.	Decrease fat sheep.....
Adams.....	13,301	13,382	20	2,676	2,660	16	.....
Alexander.....	975	1,125	20	225	97	128	.....
Bond.....	7,775	9,509	30	1,902	1,710	192	.....
Boone.....	16,039	17,493	20	3,499	2,566	933	.....
Brown.....	4,920	7,335	20	1,467	1,230	237	.....
Bureau.....	6,708	8,719	20	1,744	1,677	67	.....
Calhoun.....	838	845	20	169	209	.....	40
Carroll.....	3,848	3,996	20	799	385	414	.....
Cass.....	1,455	2,026	20	405	145	260	.....
Champaign.....	8,253	10,271	20	2,054	1,238	816	.....
Christian.....	7,843	10,556	20	2,111	1,882	229	.....
Clark.....	8,779	9,660	20	1,932	1,580	352	.....
Clay.....	9,475	10,734	20	2,147	3,790	.....	1,643
Clinton.....	6,100	7,504	20	1,501	1,525	.....	24
Coles.....	7,916	9,200	20	1,840	2,375	.....	535
Cook.....	6,030	5,475	20	1,095	603	492	.....
Crawford.....	9,483	9,951	20	1,990	1,897	93	.....
Cumberland.....	5,032	5,080	20	1,016	855	161	.....
DeKalb.....	12,045	12,466	20	2,493	1,204	1,289	.....
DeWitt.....	10,868	12,972	20	2,594	543	2,051	.....
Douglas.....	5,486	6,604	20	1,321	1,097	224	.....
DuPage.....	11,134	12,164	20	2,433	2,333	100	.....
Edgar.....	12,771	14,890	20	2,978	2,810	168	.....
Edwards.....	9,360	11,226	20	2,245	1,872	373	.....
Effingham.....	4,638	5,384	20	1,077	1,159	.....	82
Fayette.....	13,158	14,496	20	2,899	2,632	267	.....
Ford.....	1,150	1,768	20	354	230	124	.....
Franklin.....	4,637	4,519	20	904	927	.....	23
Fulton.....	17,146	20,299	20	4,060	3,772	288	.....
Gallatin.....	2,677	3,310	20	662	321	341	.....
Greene.....	10,026	10,548	20	2,110	1,203	907	.....
Grundy.....	2,549	2,232	20	446	332	64	.....
Hamilton.....	6,963	13,084	20	2,617	1,044	1,573	.....
Hancock.....	4,095	5,008	20	1,002	2,047	.....	1,045
Hardin.....	2,073	2,295	20	459	207	252	.....
Henderson.....	1,945	2,521	20	504	389	115	.....
Henry.....	4,789	5,949	20	1,190	527	663	.....
Iroquois.....	4,474	5,562	20	1,112	895	217	.....
Jackson.....	3,135	3,344	20	669	690	.....	21
Jasper.....	6,444	6,834	20	1,367	1,095	272	.....
Jefferson.....	9,122	9,348	20	1,870	638	1,232	.....
Jersey.....	6,196	5,410	20	1,094	1,549	.....	455
JoDaviss.....	8,443	10,987	20	2,197	1,688	509	.....
Johnson.....	3,052	4,210	20	842	610	232	.....
Kane.....	12,372	12,737	20	2,547	2,227	320	.....
Kankakee.....	2,182	3,226	20	645	109	536	.....
Kendall.....	8,790	8,970	20	1,794	2,813	.....	1,019
Knox.....	10,819	16,172	20	3,234	2,813	421	.....
Lake.....	86,519	69,857	20	13,971	19,899	.....	5,928
LaSalle.....	12,845	14,891	20	2,978	1,927	1,051	.....
Lawrence.....	5,688	5,822	20	1,164	1,138	26	.....

SHEEP—Continued.

Number Fat Sheep for Market 1879-1880.

Counties.	Number assessed May, 1879.....	Number assessed May, 1880.....	*Per ct. of sheep on hand May 1, 1880, that will be sold in 1880, as fat sheep.....	Number of fat sheep for 1880 market.....	Number of fat sheep marketed 1879.....	Increase fat sheep	Decrease fat sheep.....
Lee.....	7,243	9,352	20	1,870	797	1,073	.....
Livingston.....	3,456	5,136	20	1,027	345	682	.....
Logan.....	4,856	8,712	20	1,742	971	771	.....
Macon.....	7,037	9,284	20	1,857	1,196	661	.....
Macoupin.....	19,765	20,979	20	4,196	3,953	243	.....
Madison.....	7,984	9,341	20	1,868	3,184	.....	1,326
Marion.....	11,500	11,111	20	2,222	7,475	.....	5,253
Marshall.....	5,074	6,270	20	1,254	1,015	239	.....
Mason.....	443	518	20	104	89	15	.....
Massac.....	1,397	1,874	20	375	140	235	.....
McDonough.....	6,896	9,616	20	1,923	1,379	544	.....
McHenry.....	44,968	52,408	20	10,482	9,443	1,039	.....
McLean.....	19,894	27,389	20	5,478	2,984	2,494	.....
Menard.....	5,713	5,865	20	1,173	857	316	.....
Mercer.....	4,937	5,548	20	1,110	987	123	.....
Monroe.....	1,323	1,480	20	296	265	31	.....
Montgomery.....	10,674	14,420	20	2,884	2,568	316	.....
Morgan.....	6,178	12,646	20	2,529	1,544	985	.....
Moultrie.....	4,451	5,140	20	1,028	801	227	.....
Ogle.....	9,129	10,169	20	2,034	1,095	939	.....
Peoria.....	5,900	6,886	20	1,377	1,357	20	.....
Perry.....	2,852	3,104	20	620	770	.....	150
Piatt.....	3,495	5,070	20	1,014	699	315	.....
Pike.....	11,557	12,159	20	2,432	1,849	583	.....
Pope.....	7,107	7,514	20	1,503	711	792	.....
Pulaski.....	1,072	698	20	140	225	.....	85
Putnam.....	1,740	2,231	20	446	348	98	.....
Randolph.....	6,903	9,094	20	1,819	1,381	438	.....
Richland.....	6,362	6,943	20	1,389	1,272	117	.....
Rock Island.....	2,185	3,083	20	617	262	355	.....
Saline.....	6,145	6,860	20	1,372	614	758	.....
Sangamon.....	17,032	19,739	20	3,947	3,406	541	.....
Schuyler.....	6,156	5,831	20	1,166	923	243	.....
Scott.....	5,641	6,149	20	1,230	1,412	.....	182
Shelby.....	14,934	16,976	20	3,395	3,734	.....	339
Stark.....	6,319	7,119	20	1,424	948	476	.....
St. Clair.....	4,240	5,605	20	1,121	509	612	.....
Stephenson.....	8,572	11,254	20	2,251	1,800	451	.....
Tazewell.....	8,548	10,090	20	2,018	2,137	.....	119
Union.....	3,657	3,747	20	749	731	18	.....
Vermilion.....	22,783	26,873	20	5,375	6,607	.....	1,232
Wabash.....	3,729	4,067	20	813	1,566	.....	753
Warren.....	5,273	7,150	20	1,430	633	797	.....
Washington.....	4,562	5,778	20	1,156	1,140	16	.....
Wayne.....	10,960	12,263	20	2,453	1,754	699	.....
White.....	6,058	6,721	20	1,344	1,151	193	.....
Whiteside.....	6,223	7,557	20	1,511	622	889	.....
Will.....	6,849	7,288	20	1,458	1,027	431	.....
Williamson.....	7,527	7,768	20	1,554	753	801	.....
Winnebago.....	12,933	15,828	20	3,166	1,940	1,226	.....
Woodford.....	3,441	3,967	20	793	1,720	.....	927
Total.....	846,101	964,696	20	192,939	174,313	39,807	21,181

* State average.

CORRESPONDENT'S REMARKS.

ADAMS.—The want of rain has reduced the prospect for corn, which is in a critical condition; the late corn will amount to but little without early and abundant rains; the early corn is not filling well owing to the drouth. The quality of winter wheat is not as good as last year and the average yield per acre for the county will not exceed 13 bushels. Rye will make about the same yield as wheat. Oats did not return as large yield per acre as predicted in last report, and the quality is not up to an average. The yield of meadows is up to an average, and the quality is superior. Pastures are very short and do not produce more than three-fourths of an average supply of grass. Fruit crop is from fair to good; there was a large crop of small fruit which brought good return. Farm animals are healthy and in thriving condition. Broom corn and sorghum are nearly up to an average in condition. There will not be an average crop of Irish or sweet potatoes.

ALEXANDER.—Corn has made good growth, and is above an average in condition; the drouth which has prevailed for some time is very unfavorable for filling and will reduce the prospects for more than an average yield per acre. Fall wheat will not return quite an average yield per acre; the grain is rather small but plump and sound. Oats injured by rust; grain light in weight; the yield per acre is much below an average. Broom corn and sorghum cane nearly up to an average in condition. Meadows returned an average yield per acre of hay of excellent quality, which was generally saved in good condition. Tobacco promises well, and cotton is nearly up to an average in condition. Pastures are rather short, and not up to an average in condition. There will be over three-fourths of an average yield of Irish potatoes and a fair crop of sweet potatoes. Fruit is falling off badly; there will be only a medium crop; the quality is only fair. Farm stock is healthy and in good condition.

BOND.—Corn is suffering for want of rain and without abundant showers at an early day there will not be over three-fourths of an average yield per acre. The wheat crop is good; the yield and quality in some sections being better than last season. Rye crop is up to an average in yield and of fair quality. The yield of oats per acre is much less than an average; on favorable soils where the crop was not lodged it was good. Broom corn and sorghum cane looking well. Tobacco crop is not up to an average in condition and the prospect is not encouraging for more than three-fourths of an average

yield per acre. Hay crop was saved in good condition; the yield per acre is not up to an average, the quality is good. Pastures are nearly up to an average in condition; without early rain there will be but little growth of grass. There will be a large crop of Irish and sweet potatoes. Farm animals are healthy and in excellent condition.

BOONE.—Corn is much above an average in condition, and in growth is well advanced for the season. The quality of fall wheat is good, but will not grade as high as last season; the yield per acre is above an average. Rye has made a good yield per acre. Rust and chinch-bugs have seriously injured spring wheat, and the yield per acre is much below an average. Barley crop is nearly up to an average. The yield of oats is nearly up to an average; the crop was injured somewhat by rust. Broom corn and sorghum promise to make nearly an average yield per acre. The yield per acre of meadows is not up to an average; the quality of hay is excellent, and the crop was saved in good condition. There will be nearly an average crop of rye. Pastures are above an average in condition. Irish potatoes are above an average in condition. Sweet potatoes are nearly up to an average in condition. Farm animals are in fine condition, and there is no complaint of disease.

BROWN.—Corn has been seriously affected by the drouth, and from present appearances will not make over three-fourths of an average yield per acre. Sorghum cane promises but little over three-fourths of an average crop. The yield of fall wheat is up to an average; the quality is generally very good. Rye crop was only fair in yield and quality. The oat crop was good in quality, and the yield per acre up to a good average. Hay was saved in good condition; the yield and quality better than the average. Pastures are short and show the effect of the continued drouth in reducing, nearly one-fourth, the usual supply of feed for stock. Farm animals are healthy and in only fair condition. From present indications there will be but little over three-fourths of an average yield of Irish and sweet potatoes.

BUREAU.—Early planted corn, where not drowned out, is doing very well and promises to make more than an average yield per acre; the late planting is suffering for the want of rain. Fall wheat generally a failure; where not winter killed will make nearly half an average yield per acre. The yield per acre of rye is less than an average. Spring wheat

badly damaged by chinch bugs and a large portion of the crop will not pay for cutting; where harvested there will not be more than half an average yield per acre. There will be a fair crop of barley. Oats were considerably damaged both as to yield and quality where lodged; where the crop stood up well until harvest the yield per acre and the quality are up to a good average. The hay crop is of excellent quality and was generally saved in fine condition; there was about an average yield per acre. Pastures are much better than usual this season and farm animals are in excellent condition and no complaint of disease.

CALHOUN.—Corn is in good condition, but would be benefited by rain. There was more than an average yield per acre of fall wheat, which is of fair quality—some extra; the sample will not grade as uniform and high as last season. Sorghum cane is nearly up to an average in condition. Pastures are short and need rain. Hay harvest commenced about the first of July; the yield per acre and quality good. Irish and sweet potatoes are up to an average in condition, and the prospect is encouraging for a large crop. Apples injured by blight which has reduced the yield and quality; the peach crop is large, and of good quality. Farm animals are in good condition, and there is no complaint of disease. Have had no rain since the first of July, and vegetation has made no growth worthy of mention.

CARROLL.—Corn is up to an average in condition, and the prospect is good for a large crop. There was more than an average yield per acre of fall wheat, on the limited acreage not winter-killed. Rye is of fair quality, and the yield per acre is up to an average. Spring wheat crop was poor, both in yield per acre and quality. The yield of barley is up to an average, and the quality fair. Oats in some localities were injured by rust; the yield per acre is up to an average, and the quality only medium. Hay crop saved in fair condition, and the yield per acre is about up to an average. Pastures are rather short and needing rain. Irish and sweet potatoes are up to an average in condition and promise well.

CASS.—Owing to the continued drouth during the month of July, the prospects for corn have been reduced, and without early and sufficient rains there will not be over three-fourths of an average yield per acre. The yield per acre of winter wheat is about up to an average; quality from poor to fair; the sample in some fields very fine. The oat crop is nearly up to an average in yield per acre; the quality is only fair; much of the crop will not weigh up to the measured bushel. The quality of hay is good, and the crop was generally saved in good condition; the yield per acre will compare favorably with that of an average. Pastures are much below an average in condition, and grass has made very little growth since the drouth. There will be about three-fourths of an average crop of Irish potatoes and nearly an average crop of sweet potatoes. There will be an average crop of summer and fall apples, winter varieties scarce. Farm animals are healthy and in good condition except hogs, which in some localities are dying rapidly with cholera.

CHAMPAIGN.—The heavy rains about the

first of July prevented cultivation of corn and the weeds on low and undrained ground will reduce the yield per acre; the corn is now needing rain badly and the prospects are not at this time encouraging for an average yield per acre. Winter wheat will not grade as high as last year; the yield per acre while less than in 1879 is above an average; Fultz has made in some instances the largest yield per acre, but the velvet wheat is liked better, being as hardy as the Fultz and yielding a larger average to the acre, of better wheat. Rye is of good quality and the yield per acre up to an average. Oats were nearly all destroyed by rust; many fields not harvested; there will not be over half a crop; very light in weight. Broom corn and sorghum cane promise to make nearly an average yield per acre. Hay crop was saved in good condition and the yield per acre is about up to an average; the quality is better than usual. Flax crop fair as to quality and nearly up to an average in yield per acre. Pastures rather short and stand much in need of rain. There will not be much over three-fourths of an average yield per acre of Irish and sweet potatoes; this crop has suffered from the fly and Colorado beetle as well as for want of rain. Farm animals are in good condition; some complaint of hog cholera.

CHRISTIAN.—Corn is nearly up to an average in condition, but it is rather dry for it to fill well; rain is much needed at this time to insure a good crop. Wheat crop is much better than an average, but does not approach the crop of 1879 in yield or quality. The yield per acre of rye is above an average; quality good. The quality and yield of oats much diminished by the crop being badly lodged and does not weigh up to the measure. Broom corn and sorghum cane look well and promise to make an average crop. An average yield of hay of excellent quality; generally saved in fine condition. There will not be half an average crop of flax. Pastures are about up to an average in condition; much in need of rain. There will be more than an average yield per acre of Irish potatoes and about an average crop of sweet potatoes. Farm animals are healthy and in fair condition.

CLARK.—Corn prospects are not flattering and if the drouth continues there will not be over three-fourths of an average yield per acre. Fall wheat crop was not up to an average in yield per acre; the quality from medium to fair. The quality of oats is not quite up to an average; the yield is good, but will not weigh up to the measure; crop injured by rust. Broom corn promises to make an average yield per acre; sorghum cane has not made a satisfactory growth and the promise, without early rain, is not encouraging for more than three-fourths of an average crop. Flax crop is one-fourth short of an average. Tobacco is in good condition, and the prospects are encouraging for more than an average crop. Pastures are in fair condition for the season; would be benefited by rain. Irish potatoes are up to an average in condition; there will be a fair crop of sweet potatoes. The hay crop was saved in good condition, and the yield per acre is about up to an average. Farm animals are healthy and in good condition for the season.

CLAY.—The drouth has seriously injured the prospects for corn; the late corn will not make more than half an average crop; early corn, where well cultivated, may make two-

thirds of an average yield per acre. The quality of fall wheat is good and the yield per acre is about up to an average. The yield of rye is not up to an average. Oat crop not up to an average in yield; the quality is from fair to good. Broom corn will not make over half an average yield per acre; sorghum cane will make but little over three-fourths of an average crop. The hay crop was good on new meadows and rather poor on old meadows; the yield per acre is not up to an average. Pastures are short and needing rain. There will be nearly an average yield per acre of Irish potatoes; sweet potatoes will hardly make an average yield per acre. Farm animals are doing well and there is no complaint of disease.

CLINTON.—Corn is suffering for rain and the prospects are not flattering for over three-fourths of an average yield per acre. Sorghum has made a good growth and is in promising condition; would be greatly benefited by rain. The quality of winter wheat is good, the yield per acre is less than last season. The crop of oats is not up to a good average in yield or quality; much complaint of light weight. The hay crop is of fine quality and the yield up to a good average. Pastures are very short and much in need of rain. There is a fair crop of fruit, but not of good quality, owing to the drouth. Live stock healthy and in fair condition. Have had but little rain for the past month. There will be an average crop of tobacco and castor beans and nearly an average crop of Irish and sweet potatoes.

COLES.—The condition of the corn crop is very good but another dry hot week will be very unfavorable for the crop which begins to show the effect of the dry weather. The wheat straw is heavy; the yield per acre is up to a good average; the crop was saved in good condition. There was only a medium crop of rye and spring wheat. Barley crop was good, both as to yield per acre and quality. Late sown oats was not near as good as the early oats which made nearly an average yield per acre; the quality is medium and as a rule will not weigh out. Sorghum cane and broom corn are above an average in condition. Meadows hardly up to an average; the hay was of fine quality; very little clover; the crop was saved in good condition. The dry hot weather is having a serious effect on pastures which are short and drying up rapidly. Irish potatoes promise about three-fourths of an average crop; sweet potatoes are up to an average in condition. All kinds of farm stock are in a healthy condition except hogs; some complaint, among feeders of swine, of loss of disease.

COCK.—Corn is up to an average in condition and promises to make more than an average yield per acre. Very little fall wheat grown, and the yield per acre is much below an average. Rye crop did not make an average yield per acre. Spring wheat is poor in quality and there was but little over half an average yield per acre. The growth of oat straw was very rank, but the heads were not correspondingly heavy and the yield per acre is somewhat below an average. The hay crop was not up to an average in yield; the quality good and the crop was saved in fine condition. There will be about three-fourths of an average crop of flax. Pastures are up to an average in condition. The prospects are encouraging for more than an average yield per acre of Irish potatoes.

An average crop of the leading varieties of fruit expected. There is no complaint of disease among farm animals; stock healthy and in good condition.

CRAWFORD.—Corn is nearly up to an average in condition, and with sufficient early rains a good crop would be insured. Broom corn looks well but shows the effect of drouth in some localities; sorghum cane promises to make more than three-fourths of an average crop. The yield of wheat is below an average and the quality is good. Rye will make an average yield per acre; the quality is fine. Oats weigh light; the quality is inferior and the yield per acre much below an average. Hay was saved in good condition; the yield per acre compares favorably with an average. Flax crop was good. There will be nearly an average yield per acre of tobacco. Pastures are much better than usual for the season. Prospects are good for an average crop of Irish and sweet potatoes. Farm animals are generally in good condition, and work horses are improving since the harvest; no complaint of disease.

CUMBERLAND.—Corn, until the late rain, has suffered from drouth which has reduced the prospects for an average yield per acre. The prospects are not encouraging for much over three-fourths of an average crop of broom corn and sorghum cane. Fall wheat will not grade as number one; the yield per acre is not up to an average. The yield of rye is much below an average. Oats lodged badly and there will be but little over half an average yield per acre. The quality of hay is very good, and the yield per acre is up to an average. Prospects indicate about three-fourths of an average crop of flax and tobacco. Pastures are in fine condition for the season; rather too frequent showers earlier in the year to give the best results from grass in pasturing beef cattle. There will be a fair crop of fruit of all kinds except grapes, which are rotting badly in some localities; some varieties of apples are falling. Farm animals are in better condition than for years, and very little disease of any kind reported; a few horses have died of lung fever.

DEKALB.—Corn is much above a good average in condition and promises an unusually large crop; the stand is good, ground free from weeds, ears large and well filled. The quality of winter wheat is good and the yield per acre fair; in some localities however the crop was too poor to harvest. Spring wheat was damaged by chinch bugs; the yield per acre was small and the quality inferior. Oats will not weigh up to an average; the yield per acre is good; many fields lodged badly and could not be harvested. Hay was saved in fine condition and is of excellent quality; the yield per acre is hardly up to an average. Frequent showers have kept the grass growing finely and pastures are above an average in condition. In some portions of the county there will be an average crop of apples. Farm animals are in excellent condition and healthy.

DEWITT.—Corn is suffering for want of rain; is firing in some localities; chinch bugs have seriously injured some fields of corn adjacent to wheat. Winter wheat is not up to an average in quality; the yield per acre is less than last season; some fields were not worth cutting. Some fields of oats were so badly injured by rust as not to justify the

expense of harvesting; the oat crop for the county is much below an average in yield, quality inferior. The hay crop is of good quality and the yield is about up to a good average. Pastures are short and in need of rain. Farm animals are in good condition and healthy; but little is heard of cholera among hogs. The dry weather has reduced the prospect for an average crop of Irish and sweet potatoes. Flax promises to make an average yield per acre. Sorghum cane is in good condition and will make nearly an average yield.

DOUGLAS.—Corn is in good condition, but needs rain to insure an average yield per acre. The quality of fall wheat is good, and the yield per acre is up to an average. Spring wheat almost a failure, and the bulk of the crop would grade as "rejected." Rye is of good quality, and medium yield per acre. Oat crop was much injured by rust, which damaged the quality and reduced the yield per acre. Broom corn and sorghum cane is up to an average in condition. The hay crop was not up to an average in yield; the quality good, and the crop was saved in fine condition. Flax crop is up to an average in yield per acre. Tobacco promises to make an average crop. Pastures are rather short and failing, for want of rain. There will be over three-fourths of an average yield of Irish potatoes and an average crop of sweet potatoes. Fruit is of fair quality and supply; some complaint of dropping, since dry weather. Farm animals are in better condition than usual, and generally healthy.

DUPAGE. Corn is above an average in condition, and the prospects are encouraging for more than an ordinary crop. Oats, in some portions of the county, were injured by hail and wind storms, just before ripe; the quality is only medium, and the yield per acre below an average. Broom corn and sorghum cane are up to an average in condition. The hay crop is about up to an average in yield, and the quality fair. Flax is nearly up to an average in yield per acre. Pastures are above an average in condition, and live stock is looking well. No complaint of diseases among farm animals. The prospect is encouraging for more than an average yield of Irish potatoes.

EDGAR. Corn is above an average in condition and making a very satisfactory growth since the late rain. The wheat crop was above an average in yield and of very fair quality; not so plump as last season; there are many farmers in the county who threshed an average of over thirty bushels per acre. Rye is of fair quality; yield per acre hardly up to an average. Until about time to harvest the prospect was very encouraging for more than an average crop of oats; the rust just before harvesting, so seriously injured the crop that in many localities it was not worth cutting and there will be but little over half an average crop in the county. Broom corn and sorghum cane look well and promise an average crop; tobacco is making good growth and is up to an average in condition. Pastures have greatly improved since the rains and are up to an average in condition. Hay crop nearly up to an average in yield; quality good. There will be an average crop of Irish and sweet potatoes.

EDWARDS.—Corn is needing rain, and a copious shower soon would insure more than

an average yield per acre. Broom corn is up to an average in condition; sorghum cane promises nearly an average crop. Wheat did not turn out quite as well as expected, and is much below an average in yield and quality; the heavy rains after harvest seriously damaged the crop both in shock and stack. Oats were damaged by rust, and there will be but little over half an average crop in the county. Tobacco and castor beans are looking well, and the condition is favorable for an average yield per acre. Pastures have been very good up to the late dry season; a good rain would soon bring them up to an average in condition. Farm animals, excepting hogs, are healthy and in a thriving condition; there is much complaint in some localities of the loss of hogs by disease. Fruit crop is large and of good quality. There will be an average crop of Irish and sweet potatoes.

EFFINGHAM.—Corn is in great need of rain, and in some localities will make an inferior yield; the chinch bugs have ruined some fields of corn; with abundant rains there would be a fair prospect for nearly an average yield per acre. The yield per acre of winter wheat is below an average; the quality is only medium; some complaint of the large amount of cheat, which has caused some to cut the crop for stock feed. The yield per acre, as well as weight of oats is very light. The quality of hay is good; the yield per acre above an average. Pastures are short, and much in need of rain. Prospects are favorable for a fair crop of fruit. Farm animals are uncommonly healthy, and in good condition. Flax and tobacco promise to make an average crop. The potato crop will hardly reach an average yield per acre.

FAYETTE.—The chinch bugs and drouth have seriously reduced the prospects of corn and without early and abundant rains, there will not be much over two-thirds of an average yield per acre. The fall wheat is of good quality, and the yield per acre up to an average; in some localities there has never been a better crop. Rye did not make an average yield. The rust injured oats in some localities and the yield per acre is somewhat below an average. Broom corn and sorghum one have not recovered from the effects of the drouth and the condition indicates about three-fourths of an average yield per acre. The hay crop was good in quality and as saved in fine condition; there was about an average yield per acre. Flax crop is about up to an average in yield. From present prospects there will not be over two-thirds of an average crop of tobacco. Castor beans promise to make an average crop. Pastures are very short owing to drouth. There will be nearly three-fourths of an average crop of Irish potatoes.

FORD.—The drouth has injured the prospects for corn nearly one-half in some localities; there will not be more than three-fourths of an average yield without early and abundant rains. The yield per acre of oats is nearly up to an average; the quality is inferior and the grain weighs very light. Sorghum cane is up to an average in condition. The hay crop was of good quality and the yield per acre about up to an average. Flax crop will make more than three-fourths of an average yield per acre. Pastures are in fair condition for the season; hardly up to an average, owing to the dry weather. Sweet potatoes are up to an average in condition and the prospect is good for nearly an average crop.

of Irish potatoes. There are no diseases prevalent among farm stock, the condition of which is above an average. Apple trees badly damaged by twig blight; there will not be more than half an average crop.

FRANKLIN.—The continued dry weather has seriously injured the prospects for corn and from present indications there will not be over three-fourths of an average yield per acre. Fall wheat crop will be light; the yield is much below an average and the quality is inferior. Barley crop is hardly fair in point of yield or quality. Oats were not worth cutting, in many localities, and there will not be half an average crop. Broom corn and sorghum cane is not up to an average in condition, and is greatly needing rain. Hay crop is better than usual; the yield per acre is up to a good average, and where not too ripe, the quality is very fine. Pastures are nearly up to an average in condition; a rain would improve them very much. Irish and sweet potatoes are looking well, and promise to make about an average crop. Flax and cotton are nearly up to an average in condition. Tobacco and castor beans will make but little over three-fourths of an average crop. Irish and sweet potatoes are up to an average in condition. Farm animals are healthy and in good condition.

FULTON.—The dry weather has reduced the prospect for more than an average crop of corn; without sufficient rains at an early date, many fields of late corn will not make half a crop. Sorghum cane is up to an average in condition. The yield of fall wheat is rather above an average in condition, and the quality fair. Rye crop is rather better than an average in yield and quality. Spring wheat was nearly all destroyed by chinch bugs and blight; many fields were not harvested. Yield and quality of oats only fair, straw heavy, and a large portion lodged before the crop matured. Hay was secured in good condition, mainly timothy of good quality; the yield per acre is nearly up to an average. Irish potatoes are not up to an average in condition; sweet potatoes look well. Pastures are rather short, owing to dry weather. Farm animals are healthy and in fine condition for the season. Apple crop will be rather light; small fruits in abundance.

GALLATIN.—The continued drouth during the month of July has nearly ruined corn, and the prospect is not encouraging for half an average yield per acre. The quality of wheat is only fair, and the yield per acre is hardly up to an average. Late-sown oats on undrained land injured by rust, and the yield per acre for the county will be about half an average. Hardly an average yield of hay per acre; the crop was saved in good condition, and the quality is fair. Pastures are short, and much in need of rain. From present prospects, there will not be over two-thirds of an average yield of Irish potatoes, and about three-fourths of an average crop of sweet potatoes. Apples are rotting and falling off badly; very few peaches. Horses and cattle are healthy and in fine condition; some complaint of cholera among hogs.

GREENE.—Prospects are very encouraging for an abundant corn crop; the early corn is earing remarkably well; the late corn is much in need of rain. The yield per acre of wheat is much above an average and in some cases

an average of 37 bushels per acre has been threshed; the quality is not so uniformly good as last season but is better than common. The oat crop is good both as to yield and quality which are up to a good average. Sorghum cane promises to make an average yield per acre. The hay crop was saved in good condition; the yield and quality compares favorably with the best crops heretofore harvested. Pastures where not stocked too heavily are in good condition, but would be much improved by rain. There will be a large crop of Irish potatoes and an average crop of sweet potatoes. Farm animals are in good condition, and there is but little complaint of disease among hogs.

GRUNDY.—Corn is below an average in condition, suffering for want of rain; the present prospects do not give encouragement for much over three-fourths of an average yield per acre. Spring wheat was generally a failure; the crop where harvested did not return near an average yield per acre. Broom corn is up to an average in condition. Sorghum cane is in about the same condition as corn. Flax crop is about up to an average in yield and quality. Meadows did not produce as much hay as expected; the yield is about up to an average; the quality good. Pastures are rather short and need rain to insure an average yield of grass. Irish potatoes are not up to an average in condition. Sweet potatoes promise more than an average yield per acre. Farm animals are in fine condition and there is no complaint of disease.

HAMILTON.—There has been no rain since the first of July; corn has suffered from the drouth, and owing to want of thorough cultivation the result of the excessive rains in June, is weedy, and gives but little encouragement for over three-fourths of an average yield per acre. The yield per acre of fall wheat is much below an average, and the quality is only medium. Only a medium crop of rye. The quality of oats is fair; the yield per acre is but little above half an average. Broom corn and sorghum cane, from present prospects, will not make more than three-fourths of an average yield per acre. The hay crop was large, and the quality good; more than an average yield per acre. There will be an average crop of flax and over three-fourths of an average crop of tobacco. Irish and sweet potatoes are nearly up to an average in condition. There is no complaint of disease among farm animals; condition as good as usual at this season. Apples badly damaged in localities by bitter rot; other fruits in good condition.

HANCOCK.—Corn is in fine condition but is in need of rain to insure the best results in filling; in some localities the dry weather has injured the crop. Broom corn and sorghum promise well. The quality or yield of winter wheat is not so good as last year and the average return per acre will not exceed sixteen bushels. Rye will make a larger yield per acre than fall wheat. There will be a fair crop of spring wheat, which in some localities was injured by heat and rust. The oat crop is good; the yield per acre is nearly up to an average; the grain is rather light in weight. Meadows turned off nearly an average amount of hay per acre, of fine quality. Pastures are not up to an average in condition; rather short owing to the prevailing dry weather. Fruit of all kinds promises a better crop than usual and very little complaint is heard of injury from insects. Farm animals are healthy

and in fine condition, considering the prevailing dry weather. Tobacco and castor beans are above an average in condition. There will be nearly an average crop of sweet potatoes and nearly three-fourths of a crop of Irish potatoes.

HARDIN.—Corn has been seriously injured by drouth and from present indications will not make over three-fourths of an average yield per acre. Wheat crop much below an average in yield and the quality only medium. Rye crop was not good; the yield per acre was less than an average. Oat crop very inferior both as to yield and quality. Sorghum cane is much below an average in condition. Hay crop was large, the quality good and generally saved in good condition. Pastures are rather short and stand much in need of rain. The yield of Irish potatoes will not be up to an average. Sweet potatoes promise to make an average yield per acre. Farm animals are in good condition and unusually healthy.

HENDERSON.—Corn is still in very promising condition, but cannot much longer stand the drouth, and a reduction of the prospects for an average crop will be the result, if dry weather continues. The quality of fall and spring wheat is fair; the yield per acre much below an average. Rye crop is up to an average in yield per acre, and the quality is medium. Barley crop is good, both as to quality and yield per acre. The quality of oats is good, and the yield per acre up to an average. Prospects are encouraging for an average crop of sorghum cane. The yield per acre of hay is above an average, the quality good, and the crop was saved in fine condition. Castor beans are nearly up to an average in condition. Pastures are not up to an average in condition; needing rain. There will be nearly an average crop of Irish potatoes and a full crop of sweet potatoes. Farm animals are generally healthy and in fair condition; some complaint of hogs dying of cholera.

HENRY.—Corn is nearly up to an average in condition, and if not injured by the drouth will make a good crop. Rye crop was fair both in yield and quality. Spring wheat generally a failure, owing to the injury sustained by chinch bugs. The yield of oats per acre is about up to an average; the quality only fair, weighing from twenty-five to thirty pounds to the measured bushel. Broom corn and sorghum cane nearly up to an average in condition; these crops would be greatly benefited by rain. Hay harvest commenced early in July; the yield per acre is about up to an average, and the quality good. Tobacco and castor beans are hardly up to an average in condition. Pastures are short in consequence of the drouth. There will be a medium crop of late varieties of fruit. Farm animals are healthy and fully up to an average in condition. There was a very heavy shower the 4th of July which seriously injured meadows and corn fields.

IROQUOIS.—Corn is much below an average in condition, owing to the drouth and the weedy condition of the crop. The quality of fall wheat is good and the yield per acre up to an average. Rye did not turn out as well as expected; the quality is fair and the yield per acre nearly up to an average. Oats weigh light; the yield per acre is much below an average. Sorghum cane is not in good con-

dition, and only about two-thirds of an average yield per acre will be realized. Hay crop was generally saved in fine condition; the yield per acre is nearly up to an average. There was nearly an average crop of flax. Pastures are in good condition for the season. Irish potatoes promise about three-fourths of an average yield per acre; sweet potatoes are up to an average in condition. Farm animals are healthy and in good condition.

JACKSON.—The outlook is not encouraging for much over three-fourths of an average yield of corn, owing to the drouth which has prevailed for over a month. The quality of wheat is only medium; the yield per acre is much below an average. The wet weather injured oats, which will not make half an average yield per acre. Broom corn and sorghum cane have been injured by drouth, and the crop will be reduced nearly one-fifth thereby. The hay crop was better than usual both as to yield and quality. Pastures are rather short and show the effects of drouth. Irish and sweet potatoes are not up to an average in condition. Prospects very good for winter fruit. Except work horses, farm animals are in good condition; no complaint of disease.

JASPER.—Corn is somewhat below an average in condition owing to the dry weather; where in good state of cultivation the crop is well advanced and promises to make nearly an average yield. The yield of wheat per acre is much below expectations and is hardly up to an average; the quality is only fair; some fields of wheat were bleached. Rye crop only fair in yield and quality. The yield per acre of oats much below an average; the quality is inferior, light and chaffy. Broom corn and sorghum cane look very well and promise to make an average crop. Hay crop was saved in good condition; the quality and yield are up to an average. There will be more than an average crop of flax per acre. Tobacco is nearly up to an average in condition. Pastures are rather short; needing rain. The prospects are good for an average crop of Irish and sweet potatoes. The fruit crop is about up to an average. Farm animals are healthy and in good condition; work horses rather thin in flesh.

JEFFERSON.—Corn is not up to an average in condition, owing to the dry weather; early rains would insure nearly an average crop. The wheat crop is not up to an average in yield and the quality is only medium. Rye crop is nearly up to an average in yield; the quality compares favorably with that of former good years. Barley crop is good; the yield is above an average and the quality fine. The yield per acre of oats is much below an average; the quality is poor. Broom corn is not up to an average in condition; sorghum cane will not make over three-fourths of an average crop. The quality of hay is good; the yield per acre hardly up to an average. The yield per acre of flax will be somewhat below an average. Tobacco and castor beans promise nearly an average yield per acre. Pastures are about up to an average in condition, but needing rain. The Irish potato crop will be short. Sweet potatoes are up to an average in condition. Live stock is generally doing well; work horses are thin in flesh; some complaint of loss of hogs by cholera.

JERSEY.—Corn prospects are not as good

as a month ago, owing to the drouth and without early and abundant rains there will not be an average yield per acre. The yield of winter wheat is above an average and much better than expected; the quality is very good and nearly up to the high grade of the 1879 crop. There will be nearly an average yield per acre of oats of excellent quality. Broom corn and sorghum cane are up to an average in condition. Hay crop was saved in good condition; the yield per acre is above an average and the quality is excellent. Tobacco promises to make more than an average yield per acre. Pastures are very short and much in need of rain. Irish and sweet potatoes are above an average in condition. Fruit in fine condition; apples and pears are smooth and free from blemish; some rot in grapes. Farm animals are in good condition and healthy; few hogs dying of cholera.

JODAVIESS.—The prospect has seldom been better for a large crop of corn than at present. Fall wheat and rye will make nearly an average yield per acre; quality good. Quality of spring wheat poor; yield per acre less than an average. Barley crop is fair in quality; the yield per acre is up to an average. Oat crop good both in yield and quality. Sorghum cane is up to an average in condition. Hay crop is of good quality; the yield per acre nearly up to an average. There will be more than an average crop of flax. Tobacco is up to an average in condition. Pastures are not up to an average in condition. Sweet potatoes promise to make an average yield; Irish potatoes are not up to an average in condition. There will be a fair crop of all kinds of fruit. Farm animals with the exception of hogs, are in good condition; many young pigs have died.

JOHNSON.—The dry weather has been unfavorable for corn, which is not up to an average in condition. The quality of wheat is only medium and the yield per acre is much below an average. The oat crop very limited as to yield per acre; quality fair. Sorghum cane is nearly up to an average in condition. The yield per acre of meadows is not up to an average; the hay was saved in good condition and is of fine quality. Cotton crop is looking well and promises nearly an average yield per acre. Pastures, considering the season, are yielding about an average crop of grass. Castor beans are up to an average in condition. Irish and sweet potatoes promise to make nearly an average yield per acre. The fruit crop is excellent, both in yield and quality. Farm animals are in fair condition; no complaint of disease.

KANE.—Corn has seldom, if ever, been more forward in growth at corresponding date than the present season; early planted corn is well eared; the grain has passed the milky state and is quite hard; the prospect is encouraging for more than an average yield per acre. The yield per acre of winter wheat is not up to an average, and there is complaint that the grain is not as plump as usual. The rye crop is about up to an average both in respect to yield and quality. Spring wheat was injured by chinch bugs and rust; the quality is poor and the yield somewhat below an average. The barley crop is good both as to yield per acre and quality. Oats, where not lodged, produced an average yield per acre; the quality compares favorably with that of former years. Broom corn and sorghum cane are in fine condition and promise

to make a good average yield per acre. Flax crop was good and has been saved in good condition. Haying commenced the last of June; the yield per acre is hardly up to an average, and many farmers will have to depend on corn fodder for winter feed. Pastures are in fine condition. There will be an average crop of Irish and sweet potatoes. Farm animals are healthy and in good condition.

KANKAKEE.—On low lands the corn is very poor, and except on drained land that could be cultivated during the wet season, is in bad condition; the crop of the county will be about one-third short of an average yield. The quality of fall wheat is only fair; the yield per acre is less than an average. Spring wheat was seriously injured by chinch-bugs and wet weather; there will not be much over half an average yield; the quality is inferior; many fields were not harvested. The yield per acre of rye is below an average. Oats were badly lodged and many fields could not be harvested; the quality is poor and the yield per acre much below an average. There will be but little over three-fourths of an average crop of broom corn and sorghum cane. The flax crop will be nearly one-fourth short in yield. Hay crop generally good, especially on new meadows; very little clover escaped the past winter; the quality of the crop was good and it was saved in fine condition. Pastures are above an average in condition. Irish and sweet potatoes promise to make about three-fourths of an average yield per acre. Farm animals are in good condition and there is no complaint of disease.

KENDALL.—Corn has not made much advancement the last two weeks owing to the cool nights and too much rain; the condition does not promise an average yield per acre. Fall wheat is poor in yield and quality and not much grown; the chinch bugs seriously injured the spring wheat and the yield is much below the average; quality inferior. Oats, as a rule, were badly lodged, and many fields were not worth harvesting; the grain is rather light in weight and the yield, where saved, will not be up to an average. The quality of hay is good; yield per acre about up to an average. Pastures are up to an average in condition and grass is making rapid growth; the aftermath on early cut meadows is making fine growth. There will be nearly an average crop of Irish and sweet potatoes. The crop of small fruits was abundant. Apples will not make an average crop. Farm animals are healthy and in thriving condition.

KNOX.—Corn has seldom been more forward in growth at this season; the acreage is very large and the crop has been well cultivated; at this time the corn is in need of rain; the drouth the past two weeks has been unfavorable and the prospect is not encouraging for a full average yield. The yield per acre of winter wheat is nearly up to an average; the quality is only fair. Rye crop was much better than fall wheat, and will return about an average yield per acre. Spring wheat light in yield and poor in quality; chinch bugs did much damage in many fields. The yield per acre of oats is above a good average and the quality very fine. Hay harvest commenced the last of June; the yield is up to an average—quality good; the crop was saved in good condition. There is a good prospect for an average crop of broom corn and sorghum cane. Pastures,

up to the middle of July, were in fine condition, since then, in want of rain; supply of grass much reduced. There will be over three-fourths of an average crop of Irish and sweet potatoes. A full average crop of all kinds of fruit except apples. There are some complaints in a few localities of hog cholera, all other animals in the best possible condition.

LAKE.—Corn yield will be heavy except on undrained lands, where the crop has suffered from too much rain which prevented cultivation. Broom corn and sorghum cane are up to an average in condition. What winter wheat was saved from the winter frost was generally too thin on the ground for a full crop and the intense heat at time of filling ripened the crop prematurely; the quality is not good and the yield per acre much below an average. A large portion of the oat crop was badly lodged and much of it could not be saved; the blight and rust injured the quality and reduced the yield. The weather was unfavorable for the hay harvest and much of the crop was saved in a damaged condition. Pastures are in much better condition than usual for the season. The fruit crop is better than for several years past. The continued good pastures since early spring have kept farm animals in good condition; stock is very healthy.

LASALLE.—The chinch bugs, previous to the heavy rains, injured corn in some localities, and the wet weather of late has interfered with the usual growth; the prospects are not encouraging for an average crop. Fall wheat made a poor yield; quality only fair. The chinch bugs destroyed nearly all the spring wheat. Early sown oats, where not lodged, will make nearly an average crop; the late oats were injured by the wet weather; chinch bugs injured crop in some localities. Hay was generally saved in good condition; the quality is good, and the yield up to an average. Broom corn and sorghum promise to make an average crop. Irish and sweet potatoes are nearly up to an average in condition. Prospect good for a fair crop of apples; in some localities the apples are spotted, or scabby. Farm animals are healthy, and in better condition than usual.

LAWRENCE.—Corn prospects reduced by late drouth, and without sufficient early rains there will not be much over three-fourths of an average yield per acre. The quality of wheat is good; the yield per acre hardly up to an average; some fields of wheat as good as the 'big crop of 1879.' Rye crop was fair both as to yield and quality. The early sown oats good and of fine quality; the late oats damaged by rust. There will be nearly an average crop of broom corn and sorghum cane. About an average crop of hay of excellent quality. Tobacco is up to an average in condition. Pastures are hardly up to an average in condition. The prospects are encouraging for about an average crop of Irish and sweet potatoes. Farm animals are healthy and in good condition, excepting hogs, which have been quite seriously affected by cholera in some localities.

LEE.—Corn is much above an average in condition; on undrained lands considerable corn has been drowned out. But little fall wheat has been threshed; the quality is fair; the yield per acre is below an average. The rye crop is only fair. Spring wheat was

seriously injured by rust and chinch bugs which reduced the yield per acre below the average of former years; in some localities the crop was not worth harvesting. Barley and oat crop good; quality fair. Sorghum cane is in fine condition. Early mown hay was injured by heavy rains; late cut hay was saved in good condition; the quality good and the yield up to an average. Tobacco promises well. Pastures could hardly be better. Irish and sweet potatoes are up to an average in condition. Farm animals are in excellent condition; had too much rain for the best results; grass has been rather washy; stock is generally healthy.

LIVINGSTON.—The corn crop has been seriously injured by the drouth, and much of the late planting has been abandoned to the grass and weeds; the early corn on drained land that received good culture, will make over three-fourths of an average crop, but the corn crop of the county will be short over one-third. The crop of rye is much below an average in yield, the quality only fair. The chinch bugs and rust injured the oat crop, which, in yield will not be much over half an average; the intense heat in July prematurely ripened oats, and seriously injured the quality. There will not be over three-fourths of an average yield per acre of broom corn. The hay crop was saved in excellent condition and is of good quality; the yield per acre is up to an average. There will be nearly an average crop of flax, which was saved in fair condition. Pastures are short and much in need of rain. There will not be more than half an average crop of Irish potatoes and nearly three-fourths of an average crop of sweet potatoes. Stock is in good condition and very healthy.

LOGAN.—Corn has suffered for want of rain and from present appearances will not make but little over three-fourths of an average yield per acre. Sorghum cane is in about the same condition as corn. The yield of winter wheat is above an average; quality not as good as last year; the crop is much below expectation. But little spring wheat raised in the county; this crop was seriously injured by the chinch bugs, and many fields were so poor as not to warrant expense of harvesting. Rye crop was medium as to yield and quality. The yield per acre of oats is not up to an average; the quality quite inferior, owing to injury from rust; will not weigh up to measure. Hay was saved in fine condition; some was cut when rather ripe, owing to the large wheat harvest, which received the first attention. Pastures are short, the result of drouth, producing not more than three-fourths of an average supply of grass. Late fruits promise a full crop. Farm animals are healthy, with the exception of a few cases of hog cholera; stock is in fair condition.

MACON.—Corn, broom corn and sorghum cane are above an average in condition; the crops would be greatly benefited by rain, especially, corn which is earing. Winter wheat crop good, both as to yield and quality; below expectation in yield; the average yield per acre in some cases is as high as any reported for 1879. Very little spring wheat raised in the county; yield and quality inferior; the crop was affected by excessive heat during the first week in July causing it to ripen prematurely. A large portion of the oats was so badly lodged that the crop could not be harvested; the quality is poor and the yield per acre much below an average. Hay

harvest was rather late, owing to the large grain harvest and some meadows were rather too ripe when cut; the yield and quality will compare favorably with other seasons. Pastures are not up to an average, owing to the prevailing dry weather; a good rain would greatly improve meadows and pastures. There will be a medium crop of late varieties of fruit. Farm animals are generally in fine condition, except work horses, which are badly cut down by labor during the excessive hot season.

MACOUPIN.—Corn is above an average in condition and the prospect is flattering for an unusually large crop; the recent dry weather has seriously affected some pieces of late corn. The wheat crop is very good both as to yield and quality and exceeds expectations. Rye has made more than an average yield per acre; the quality is number one. The yield per acre of oats where not lodged is very heavy; the rank growth and weak straw resulted in much loss from lodging. The quality of hay is very superior and the yield per acre up to a good average. Pastures are much above an average; they would be benefited by rain. There will be more than an average yield per acre of Irish and sweet potatoes; the potato bugs came too late to do any serious damage. Farm animals are in excellent condition and there is no complaint of disease. There is considerable increase in the area of buckwheat which is in excellent condition. More root crops and field beans planted than last season.

MADISON.—Have had no rain in some portions of the county since early in July and as a result corn just now earing is suffering very much from drouth; until within the last ten days the prospect was flattering for an average crop; on thin land corn is firing badly. There has seldom, if ever, been a better crop of wheat both in yield and quality; wheat not in stack was slightly bleached by the rains the first of July. The yield of oats was reduced by lodging in many fields and the chinch bugs injured the crops somewhat; the yield per acre is less than an average. Broom corn promises to make an average crop. Sorghum cane looks well but is needing rain. Many farmers allowed hay to get too ripe, while attending to wheat harvest; the hay crop is good in quality and the yield about up to an average. Pastures are suffering from drouth and much below an average in condition. There will be about an average crop of Irish and sweet potatoes. Farm animals are healthy and in excellent condition.

MARION.—The recent drouth has affected corn and reduced the prospects for an average yield per acre. Broom corn and sorghum cane are up to an average in condition, and with seasonable rains will make more than an average yield per acre. The yield per acre of fall wheat is above an average and the sample will grade as No. 2. There will be more than an average crop of flax. Tobacco is up to an average in condition and promises well. Castor beans will make an average crop. There will not be an average crop of oats; quality only medium. Pastures are rather short; needing rain. Irish and sweet potatoes are above an average in condition. The fruit crop is better than for years, and the quality is generally very good. Farm animals are in excellent condition and there is no complaint of disease.

MARSHALL.—Corn is nearly up to an average in condition and improving since late rains; on undrained lands the wet weather earlier in the season prevented necessary cultivation, leaving the crop to unsuccessfully struggle against the rank growth of weeds. Sorghum cane is nearly up to an average in condition. Very little fall wheat escaped the winter; the yield is much below an average and the quality only fair. Chinch bugs severely injured the spring wheat, reducing the yield per acre and quality; many fields were not harvested. The yield per acre of rye is less than an average. Where not lodged or injured by chinch bugs the yield per acre of oats is much above an average; the quality good; where lodged the quality is inferior. Hay crop was saved in good condition; the quality is good and the yield per acre about up to an average. Pastures are nearly up to an average in condition and improving since late rains. Irish and sweet potatoes are hardly up to an average in condition. There is much complaint of blight and rot among fruit growers; grapes have been badly injured by an insect. Farm animals are generally in good condition and healthy.

MASON.—The late dry weather has reduced the prospects for an average crop of corn; in many fields the corn has fired up to the ears, and without early rains the crop will be light. There is a great range in the price of wheat, it being from 60 to 85 cents, according to quality; the yield per acre is rather above an average; the quality from poor to medium. Rye did not make an average yield per acre. There was much complaint of oats lodging and the rust in many localities reduced the yield per acre and quality; there will be but little over half an average yield per acre. Sorghum cane is not up to an average in condition owing to the drouth. Hay crop was good both in yield and quality and was generally saved in fine condition. Pastures are rather short and much in need of rain. There will be little over two-thirds of an average yield of Irish potatoes; sweet potatoes promise over three-fourths of an average yield per acre; bugs have nearly destroyed late potatoes. Farm animals are healthy and in excellent condition for the season.

MASSAC.—Corn is nearly up to an average in condition, and is not promising in some localities, where the heavy rains interfered with needed cultivation. The yield of winter wheat is much below an average, and the quality has been damaged in stack by heavy rains. The yield per acre of oats is small. Sorghum cane is nearly up to an average in condition. Hay crop rather light; the quality is good. Tobacco is in bad condition, and the prospect is not encouraging for much over half a crop. Pastures are rather short. There will be but little over three-fourths of an average yield of Irish and sweet potatoes. Prospects are good for fruit, especially peaches. Farm animals are in fair condition, and there is no complaint of disease.

MCDONOUGH.—Corn is suffering for want of rain; the drouth has reduced the prospect for an average crop nearly one-fourth. Nearly all the fall wheat except the Siberian was winter killed; this variety stood the winter best and made yield of 25 or more bushels per acre; the average yield for the county of fall wheat is about up to an average, quality medium. Spring wheat in many localities was cut rather green to save it from the rav-

ages of the chinch bug, which destroyed many fields; the yield and quality much below an average. Barley crop was about up to an average. The yield and quality of oats fully up to an average. Broom corn and sorghum cane are not up to an average in condition owing to the prevailing drouth. Hay crop was saved in good condition—the yield and quality up to an average. Pastures are very short and dry. Irish potatoes promise to make about three-fourths of an average yield per acre. Sweet potatoes are more promising. Farm animals are in fair condition; no complaint of disease.

McHENRY.—Corn is in excellent condition and promises to make more than an average yield per acre except on undrained land; the crop is more advanced than usual at this season. There will be more than an average yield per acre of fall wheat, which turns out much better than expected prior to the harvest, both as to yield and quality. Spring wheat is up to an average in yield per acre and where not injured by mildews and black smut, the quality will be fine. Rye crop is only fair as to yield and quality. Where not lodged the oat crop will be much above an average in yield; the quality is fine except where lodged. Sorghum cane is up to an average in condition. Hay crop is very satisfactory as to quality, and was saved in good condition; the yield will be up to an average. Flax crop was about up to an average in yield. Pastures are in fine condition. There will be more than an average crop of Irish and sweet potatoes. Farm animals are healthy and in very fine condition.

McLEAN.—Corn is suffering from drouth, and without sufficient rains at an early date the crop will be light. The yield per acre of winter wheat is less than last season; the quality fair. Rye and spring wheat did not do well; spring wheat a failure in many localities, owing to the injury sustained from weevil and chinch bug. There was an abundant crop of oat straw and a limited amount of grain owing to the very hot weather in June, which was not favorable to filling; oats weigh from 25 to 28 pounds to the measured bushel. Hay is of good quality, and the yield per acre up to a good average; the crop was saved in good condition. Pastures are short, owing to the drouth, and stock water scarce in many localities. Considering the condition of pastures, farm animals are in fair condition; no complaint of disease among stock. There will be over three-fourths of an average yield per acre of Irish and sweet potatoes.

MENARD.—Corn is nearly up to an average in condition and needing rain to insure even a medium crop. Broom corn and sorghum cane are up to an average in condition. There will be an average crop of fall wheat of fair quality, but not up to the crop of 1879 in yield or uniform high grade of sample. The yield per acre of oats is about up to an average; the quality is only fair, many fields of oats will not weigh up to the measure. Hay was saved in good order; the quality is excellent and the yield per acre up to an average. Pastures are very short, and without early rains there will be a very limited supply of grass. The prospect is encouraging for about an average crop of Irish and sweet potatoes. Some little complaint of disease among hogs; otherwise farm animals are healthy and in good condition for the season.

MERCER.—Corn is nearly up to an average in condition; is needing rain at this time to insure a full crop. Broom corn and sorghum cane are nearly up to an average in condition. Spring wheat crop a failure in many sections of the county, owing to the injury from chinch bugs; there will be about half an average yield per acre. The yield of rye is up to a good average. The oat crop is good, quality fair; the yield per acre about up to an average. Hay harvest commenced early in July; the crop was generally saved in good condition; the yield and quality are up to an average. Pastures are rather short; would be greatly benefited by rain. Irish potatoes are up to an average in condition; the prospect is good for an average crop of sweet potatoes. Fruit crop is up to an average and the quality generally excellent. Farm animals are generally healthy and in fair condition for the season.

MONROE.—Corn has been injured by the drouth, especially the late planting, which will not make half a crop, without early and abundant rains. Fair prospects for nearly an average crop of broom corn and sorghum cane. The wheat crop will compare favorably with the best seasons both as to yield and quality; in some localities the wheat was never better. Barley made a good yield and the sample grades high. The quality of the oat crop only medium, and the yield per acre less than an average. Hay was saved in good condition; much of the crop was rather too ripe, owing to the large grain harvest. Pastures are very dry and short and stand much in need of rain. Irish potatoes are above an average in condition; sweet potatoe crop will be nearly up to an average. The fruit crop is good in quality and the yield up to an average. Farm animals are healthy and generally in fine condition considering the dry season.

MONTGOMERY.—Corn is suffering for want of rain and while the condition at present is favorable for a fair crop early rains are needed to insure even a moderate yield. The quality of wheat will compare favorably with the high grade of the crop of last season; the yield per acre while much above an average is less than last season; the Fultz and Mediterranean are the principal varieties grown. The oat crop is large and of good quality. The hay crop was saved in good condition; the quality is better than usual; the yield per acre is up to a good average. Pastures are short and much in need of rain. Some varieties of apples are falling badly owing to injury sustained from worms; there will not be over three-fourths of an average crop of apples, a fair crop of pears, peaches and grapes in abundance. Farm animals are in fine condition and healthy; the grass, while short, is very nutritious.

MORGAN.—Corn promises to make more than an average yield per acre with seasonable rains; the late corn is suffering from drouth, and will not make an average crop without early rains. The best wheat yields are reported on timber soil, on which the crop grades as No. 2; on rich level land the yield or quality is not as good; the crop is much above an average in yield per acre and quality. Very little spring wheat raised; the quality and yield is much below an average. The oat crop is much above an average, where the crop was not lodged, both in yield and quality. Broom corn is above an average in condition. The yield per acre of hay is heavy and the crop was saved in fine condition;

quality superior. Pastures are in good condition for the season; would be improved by rain. The prospects are encouraging for more than an average crop of Irish potatoes, sweet potatoes are up to an average in condition. Early varieties of fruit in abundance; medium crop of late apples. Farm animals are healthy and in good condition.

MOULTRIE.—Corn is nearly up to an average in condition but begins to show the effect of drouth, more especially where not thoroughly cultivated; chinch bugs have injured the corn prospects in some localities. The yield and quality of fall wheat, while above an average, do not compare with the exceptional crop of last season. The oat crop is much below an average in yield, owing to rust and chinch bugs, which prevented the heads from filling well. Rye is below an average in yield. Broom corn and sorghum cane are nearly up to an average in condition. The hay crop is good, both as to yield per acre and quality. Prospects are encouraging for a good crop of flax. Pastures are short and much in need of rain. Irish and sweet potatoes promise about an average yield per acre. Farm animals are in only fair condition owing to the excessive heat and short pastures.

OGLE.—Corn is in fine condition, and the prospects are encouraging for more than an average yield per acre. Broom corn and sorghum cane are up to an average in condition. The small acreage of fall wheat that survived the past winter is variable as to yield per acre and quality; some good and some poor; the yield per acre will not be far from an average for the county. The yield of rye is good and the quality fair. Spring wheat damaged by hot humid weather, while in the milky state which injured the quality; the chinch bugs did much damage in some localities; the yield per acre is much below an average. Barley crop was good, both as to yield and quality. The yield per acre of oats is up to an average, and the quality medium. Most of the hay crop was saved in fine condition; the yield per acre and quality about up to an average. Flax crop will make an average yield, and was saved in good condition. Pastures are in fine condition and improving since the late rains. There will be nearly an average crop of Irish and sweet potatoes. Farm animals are generally healthy, and in good condition.

PEORIA.—Corn is needing rain to make an average crop; the late planting will not make an average yield per acre. Sorghum cane is up to an average in condition. Fall wheat is of good quality; the yield per acre is about up to an average. Rye crop is up to an average both in yield and quality. The spring wheat crop is generally a failure in this county, and the average yield per acre is much below an average. The oat crop was very satisfactory both as to yield per acre and quality. Hay harvest commenced the first of July; the crop was saved in good condition, and the yield per acre is about up to an average. Pastures are rather short and need rain. The condition of Irish potatoes is above an average; the prospects are favorable for an average crop. Farm animals are generally in fine condition; there is some complaint in the north part of the county of a disease affecting horses; the first symptoms are weak back and legs, the horses fall down and live two or three days, then die; some farmers have lost all their horses,

some one or two horses, and the disease is spreading.

PERRY. The prospects for corn are very discouraging, owing to the drouth which has prevailed for nearly a month, reducing the prospects for an average crop nearly one-half. Fall wheat was ripened prematurely by the excessive heat, injuring the quality and reducing the yield per acre much below an average. The oat crop was injured by the heat just previous to time of ripening, and the yield per acre is less than one-half of an average. Flax crop was of fair quality and about up to an average in yield per acre. Pastures are rather short, and will not make much advance until abundant rains encourage growth. Irish potatoes are nearly up to an average in condition; sweet potatoes promise more than three-fourths of an average crop. Farm animals are in excellent condition considering the season, and there is no complaint of disease.

PIATT.—Corn is nearly up to an average in condition; needs rain badly; the early planting is well filled but the kernel has not begun to harden; without early and abundant rains the late planting will not amount to much. The yield of fall wheat is less than last year but up to a good average as compared with former years; the quality is good. The rye crop was good, both in yield and quality. Spring wheat, with some exceptions, was a failure, owing to the chinch bugs and rust. Barley crop only medium. Oats are poor both as to yield and quality; the rust and lodging the principal cause of the failure of the crop. Broom corn and sorghum cane are in good condition and bid fair to make an average yield per acre. Flax crop hardly up to an average in yield per acre. Pastures are in fair condition but are needing rain. There will be nearly an average crop of Irish and sweet potatoes. Farm animals are in good condition; stock has suffered more from the flies this season than usual.

PIKE.—Corn is about up to an average, but without early and abundant rains, the yield per acre will be greatly reduced. The yield per acre of winter wheat is much above an average; the quality is only fair, considerable wheat was badly bleached by being exposed in shock to the rains early in July. The oat crop good both as to yield and quality; in some parts of the county the crop is unusually fine. Clover harvest commenced June 1st, and timothy about the 20th of July; the yield is up to an average and the quality fine. Tobacco, in condition, is up to an average. Pastures are not up to an average, but much better than could be expected considering the dry weather which has prevailed for some time. The prospect is good for a fair crop of late apples; more blight this season than for many years. Farm animals are in very good condition; not as much complaint of disease among hogs as usual.

POPE.—Owing to the excess of rain early in the season and the late drouth, corn has had a very unfavorable season and cultivation and growth have been out of the question except on drained land; the present condition is not favorable for much more than half an average crop. Fall wheat was injured in some sections by rust, which reduced the yield per acre and injured the quality. The oat crop is much below an average in yield

per acre, and the quality is inferior, owing to the rust. Broom corn is but little above half an average in condition; sorghum cane promises about three-fourths of an average crop. The hay crop rather light in yield; the quality is good, and the crop was saved in fine condition. Cotton and tobacco promise about three-fourths of an average crop. Pastures are short and much in need of rain. Irish and sweet potatoes are not up to an average in condition. Farm animals are healthy and in good condition for the season.

PUTNAM.—Corn is up to an average in condition and making good growth since late rains, the dry weather reduced the prospects for more than an average yield per acre; the chinch bugs injured the corn in some localities. Very little fall wheat escaped winter killing; the yield per acre is much below an average and the quality is only medium; spring wheat was injured by chinch bugs; the yield and quality is much below an average. The chinch bugs injured oats in some localities, and the excessive heat prematurely ripened the grain which is light in weight. Sorghum cane is up to an average in condition. Hay crop is good in quality and the yield per acre is up to average. Pastures where not overstocked are up to a good average in condition, and improving rapidly since late rains. There will be an average crop of Irish and sweet potatoes. Farm animals are healthy and in good condition. Apples rather better than last year in quality; yield about half an average.

RANDOLPH.—The condition of corn is not encouraging, owing to the drouth which has prevailed for nearly three weeks past, and without early and sufficient rains there will not be much over three-fourths of an average yield per acre. Broom corn and sorghum cane are in about the same condition as corn. The quality of wheat is good and the yield per acre is nearly up to an average. Rye is up to a fair average in yield per acre. The oat crop is not of good quality and the yield per acre hardly up to an average. The yield per acre of hay is about up to an average; the quality is good and the crop was generally saved in fine condition. Tobacco is up to an average in condition. Pastures are in fine condition for the season. The prospect is encouraging for about an average crop of Irish and sweet potatoes. Farm animals are healthy, and, excepting work horses, are in good condition. Have had no rain since the 2d of July in some portions of the county.

RICHLAND.—The dry hot weather has reduced the prospects for an average yield per acre of corn. Broom corn and sorghum cane are below an average in condition. The yield per acre of winter wheat is not up to an average; the quality is good; grain bright and plump. Rye was not up to an average in yield per acre. The oat crop in many parts of the county was almost a failure and the yield per acre only about one-third of an average. Hay was saved in fine condition; the quality good; the yield per acre medium. Flax crop was good. Pastures are rather short and much in need of rain. The prospects are encouraging for nearly an average crop of Irish and sweet potatoes. Horses cattle and sheep are doing well; hogs are dying, to some extent, with cholera; the best preventative tried is a table spoonful of saltpetre to each six hogs, to be given twice a week in the slop.

ROCK ISLAND.—Corn, broom corn and sorghum cane are about up to an average in condition, but begin to show the prevailing drouth; without early and copious showers, the prospects for corn will be largely reduced. The yield of rye is nearly up to an average. Chinch bugs nearly ruined spring wheat; some pieces that escaped their ravages will make a fair yield of good quality. Barley crop is above medium both as to yield and quality. The oat crop in some localities is one of the largest and best ever raised in the county; in portions of the county where lodged, the yield is light and the grain is chaffy and of poor quality. Timothy meadows made a good yield and the hay crop was saved in fine condition. Pastures are not quite up to the average for the season, owing to the dry weather. The prospects are encouraging for over three-fourths of an average crop of Irish potatoes and nearly an average crop of sweet potatoes. Early variety apples abundant; there will be over three fourths of an average crop of late apples; more grapes and peaches than usual. Farm animals are healthy and in good condition.

SALINE.—The dry weather in July has reduced the prospects for an average yield per acre of corn. Sorghum cane promises but little over two-thirds of an average crop. The yield of wheat is below an average; the quality is good. Rye crop was fair in quality, but below an average in yield per acre. The dry weather early in the season injured the prospects for oats; the yield per acre is about half an average. The hay crop was good both as to quality and quantity per acre. Pastures are very good, considering the season. Cotton looks well and the condition indicates an average crop. There will be but little over three-fourths of an average yield of tobacco. Irish and sweet potatoes are up to an average in condition. There is very little complaint of disease among farm animals; condition good. Fruit crop is up to an average in condition.

SANGAMON.—Corn is up to an average in condition, but not as promising as one month ago; the drouth has injured corn and on light and timber soils there is complaint of fringing; wherever the crop has had seasonable rains there will be more than an average yield per acre. The wheat crop is much better than an average in yield and compares favorably with the big wheat crop of 1879; the quality is only medium, although many fields will grade as high as last season. There was a fair crop of rye and spring wheat and the yield per acre was about up to an average. The quality of oats only fair; much of the crop was lodged and could not be harvested. The yield per acre is nearly one-fourth less than an average. The hay crop was saved in good condition; the yield per acre is up to a good average and the quality has seldom been better. Tobacco is nearly up to an average in condition and promises to make a crop of fair quality. Broom corn and sorghum cane are up to an average in condition. Pastures are rather above an average in condition. There was more than an average yield per acre of early potatoes; the late varieties in many localities seriously injured by potato bugs. Sweet potatoes promise to make an average crop.

SCHUYLER.—Dry weather has injured the corn and reduced the prospects for an average yield per acre. The quality of fall wheat is good and the yield per acre up to an aver-

age; the yield and quality below that of 1879. Rye crop is fair as to quality; yield per acre compares favorably with that of previous good crops. The yield per acre of spring wheat is not up to an average; grade of sample fair. Barley crop is good in matter of yield. The quality of oats is good and the yield per acre nearly up to an average. Broom corn and sorghum cane look well and the prospects are encouraging for nearly an average crop. Hay harvest commenced early; the quality is good and the crop was saved in fine condition; about an average yield per acre. Flax crop turned out well. Pastures are rather short and in need of rain. Irish and sweet potatoes are not quite up to an average in condition. Farm animals are healthy and doing well.

SCOTT.—Corn is needing rain, especially the late planting, which is firing badly; without early rains there will not be much over three-fourths of an average yield per acre. Prospects of sorghum have been reduced nearly one-fourth by the dry weather. The wheat crop is much above an average in yield and the quality good; the crop will not grade as high as that of the previous year. The quality and yield of oats where not lodged is much above an average; the yield for the county will compare favorably with that of previous good crops. The hay crop was generally secured without damage and is of excellent quality; the yield per acre is much above an average. Pastures are failing for want of rain and are somewhat below an average in condition. The fruit crop is good; some complaint of blight in orchards. Work horses are generally thin in flesh; all other farm animals are in good condition; some complaint of scarcity of water for stock.

SHELBY.—The flattering prospects for corn have been reduced the past three weeks by the drouth, and unless the crop is helped by early rains there will not be an average yield per acre. There is more than an average yield per acre of wheat which is of fair quality but does not approach the great wheat crop of 1879. The yield of rye is above an average. Where not lodged the oat crop was good; a large portion of the crop was badly blown down, and will make a poor return of inferior quality. Hay crop was saved in good condition, and the yield per acre about up to an average; some of the hay was rather too ripe, owing to the unusual amount of wheat harvested. Flax and tobacco crop promise well. Pastures are rather short and dry, owing to the prevailing drouth. There will be nearly an average crop of Irish and sweet potatoes. Apple, peach and pear trees well filled with fruit; apples are falling badly, and much of the fruit is wormy. Excepting work horses and mules, farm animals are in good condition and healthy.

STARK.—Corn is nearly up to an average in condition; since the dry weather that on light soils is firing badly. Broom corn and sorghum cane promises to make nearly an average yield per acre. Rye will make nearly an average yield per acre. Few fields of fall wheat escaped the winter and such made less than an average yield per acre. Spring wheat was generally a bad failure, owing to chinch bugs and very little harvested. The yield of oats where not lodged will make over an average yield per acre; much of the crop was lodged and could not be harvested. The yield of hay was nearly up to an aver-

age and the quality good; crop generally saved in good condition. Pastures are nearly up to an average; needing rain. Fruit crop is rather limited but of good quality. Farm animals are above an average in condition and there is no complaint of disease.

ST. CLAIR.—Prospects for an average crop of corn have been reduced by the drouth; in some sections local showers have kept the corn up to an average in condition. The wheat crop was good; the yield per acre much above an average, and the quality good; many fields of wheat will grade as high as last season. Barley crop was large and the yield per acre more than an average. The yield of oats per acre is nearly up to a good average, and the quality fine. Broom corn and sorghum cane are up to an average in condition. There will be nearly an average crop of eastor beans. The yield per acre of hay was nearly up to an average; the quality good; some of the hay was rather too ripe owing to the large wheat harvest which delayed hay cutting. Pastures are much below an average in condition owing to the dry weather. Irish potatoes are up to an average in condition; prospects are good for a fair crop of sweet potatoes.

STEPHENSON.—Prospects are encouraging for more than an average yield per acre of corn and the crop is well advanced for the season. Broom corn and sorghum cane are up to an average in condition. The fall wheat crop where not winter killed is much above an average in yield per acre and the quality is good. The yield per acre of rye is up to an average. Spring wheat was injured by chinch-bugs and the hot sun which prematurely ripened the crop and injured the quality. Barley is of good quality and the yield per acre up to an average. The yield per acre of oats is not up to an average owing to the injury by rust and the lodging in some localities. The hay crop was of good quality and generally saved in good condition; the yield per acre is up to an average. Flax crop somewhat below an average in yield. The condition of tobacco indicates an average crop. Pastures are nearly up to an average in condition. Prospects are encouraging for an average crop of Irish and sweet potatoes.

TAZEWELL.—Corn is nearly up to an average in condition, and with early rains will make more than an average crop. Broom corn and sorghum cane promise to make an average crop. The yield of fall wheat is up to an average and of fair quality. Rye crop was about up to an average in yield and quality. But little spring wheat sown; the yield per acre and quality much below an average. The large acreage of oats did not make as large yield as expected; the growth of straw was very rank and the grain light in weight. The hay crop was very fine and generally saved in good condition; the yield per acre was up to an average. Pastures are in much better condition than usual for the season, but needing rain. There will be an average crop of Irish and nearly an average crop of sweet potatoes. Farm animals are healthy and in splendid condition. Fair crop of apples, especially of the Ben Davis variety.

UNION.—Corn is hardly up to an average and without sufficient early rains the yield per acre will be much below an average. The yield per acre of fall wheat is below an

average; the quality of some varieties is very good. Oats were badly injured by rust and there will not be one-third of an average yield per acre. The yield per acre of hay is good, and the quality choice; crop saved in fine condition. Pastures are rather short and need rain. Irish potatoes are nearly up to an average in condition; the prospect is good for an average crop of sweet potatoes. Farm animals are healthy and in good condition. The supply and quality of fruit compares favorably with good fruit seasons.

VERMILION.—Corn is much above an average in condition, and the prospects are very encouraging for more than an average yield per acre. Fall wheat crop is of good quality and above an average in yield per acre; not up to the crop of 1879, however. The oat crop nearly a failure on account of the rust; there will not be over one-third of an average yield per acre. Broom corn and sorghum cane are above an average in condition. Hay harvest commenced early in July; the yield per acre and quality will compare favorably with an average. Pastures are up to an average in condition. Irish and sweet potatoes promise to make more than an average yield per acre. Farm animals are healthy and in thriving condition.

WABASH.—The excess of rain early in the season and the drouth which has prevailed for some time have seriously injured the prospect for more than three-fourths of an average yield per acre of corn. The wheat crop will make but little over half an average yield per acre; the quality is good. There is something over half an average yield of oats per acre; quality medium. Sorghum cane has been affected by the drouth, and but little over three-fourths of an average yield per acre will be realized. The hay crop was saved in good condition; the quality and yield up to a good average. Tobacco is not up to an average in condition. Pastures are rather short and somewhat below an average in condition. There will be nearly an average crop of sweet potatoes and over three-fourths of an average crop of Irish potatoes. Farm animals are much above an average in condition, and there is no complaint of disease except a very little cholera among hogs in some localities.

WARREN.—An early rain would insure nearly an average yield per acre of corn; the dry weather has reduced the flattering prospects for more than an average crop. There is but little more than half an average yield per acre of fall wheat, and the quality is only medium. Rye crop is only fair both as to quality and yield per acre. The chinch bugs seriously injured spring wheat, and many fields were too poor to cut except for straw. Oats were harvested and stacked in good order; but few fields lodged; the sample is fine and the yield per acre is above an average. Broom corn and sorghum cane are above an average in condition. The yield of meadows is hardly up to an average; the quality is better than usual and the crop of hay was saved in good condition. Pastures and the supply of stock water limited—rain is greatly needed to ensure the supply of grass. Sweet potatoes are up to an average in condition; Irish potatoes promise to make three-fourths of an average yield per acre.

WASHINGTON.—The drouth has seriously injured corn, and the prospects are not en-

couraging for more than half an average yield per acre; the late corn will be almost a failure. The quality of fall wheat is good, and the yield per acre is up to an average; in some fields the yield was as large as last season. The yield of rye is somewhat above an average in yield; in quality fair. The quality of oats is hardly as good as usual; the yield per acre is about up to an average. Broom corn and sorghum cane promise only about half an average crop. The hay crop is very good, both as to yield per acre and quality. There will be about three-fourths of an average crop of tobacco. Pastures are very short and much in need of rain. Irish and sweet potatoes are nearly up to an average in condition. Farm animals are healthy and in good condition.

WAYNE.—There is more weedy corn than usual, which has been injured by the dry weather and chinch bugs; from present prospects there will not be much over two thirds of an average yield per acre. The yield of wheat per acre is not up to an average and the quality is only medium. The oat crop is poor—hardly half an average yield per acre, owing to rust. Broom corn is nearly up to an average in condition; sorghum cane promises to make over three-fourths of an average yield per acre. Hay crop was saved in good condition; the yield per acre is hardly up to an average. Flax looks well. Tobacco is somewhat below an average in condition. Castor beans promise an average crop. Pastures are rather short and needing rain. There will be nearly an average crop of Irish and sweet potatoes. Farm animals generally healthy and in good condition considering the hot season and short pastures.

WHITE.—The excessive rains of June prevented culture, and the drouth during the month of July was unfavorable to the usual growth of corn, resulting in small, weedy corn, that will not produce much over half an average crop. The wheat crop is much below an average in yield per acre, and the quality is inferior, owing to the rust, which damaged wheat in many portions of the county. Oats were badly rusted in many parts of the county; the quality is inferior, and there will not be much over one-third of an average yield per acre. Sorghum cane is in poor condition, and not over two-thirds of an average yield per acre will be realized. The hay crop has seldom been surpassed in yield and quality; the crop was generally saved in good condition. The condition of tobacco gives encouragement for three-fourths of an average yield per acre. Pastures are failing rapidly, and rain is needed to insure a partial crop of grass. There will be about three-fourths of an average crop of Irish and sweet potatoes. Hogs in some localities have been seriously affected with cholera; other farm animals are healthy and in good condition.

WHITESIDE.—Corn is above an average in condition, and the prospects are encouraging for more than an average yield per acre. The fall and spring wheat is very poor in quality, and the yield per acre is much below an average. Rye crop is good; the yield per acre is much above an average. Barley crop is much above an average in yield and quality. Sorghum cane is up to an average in condition. Hay was saved in fine condition, and the quality is excellent; the yield per acre is about up to an average. Pastures are in fair condition. The oat crop is good, both in yield per acre and quality. Irish potatoes are above an av-

erage in condition; prospects are encouraging for an average crop of sweet potatoes. The fruit crop will be less than an average, owing to the great heat and moisture producing "scale" (a fungoid excrescence) on the fruit, codling moth and blight. Some complaint of cholera among hogs; other farm animals are healthy and in good condition.

WILL.—Prospects are encouraging for more than an average crop of corn, which is in better condition than usual at this season. Very little fall wheat raised in the county; the yield per acre is much below an average and the quality fair. Rye crop only medium as to yield and quality. Spring wheat injured by chinch bugs and but little over half an average yield per acre will be realized. The quality of oats is number one and the yield per acre better than an average. Sorghum cane promises to make an average crop. The yield per acre of hay is about up to an average and the quality good; the crop was saved in fine condition. The flax crop is better than an average in yield and the quality good. Pastures are nearly up to an average in condition. Farm animals are healthy and there is no complaint of disease among stock. The fruit crop is of good quality and the yield per acre is above an average. Irish and sweet potatoes are above an average in condition and prospects.

WILLIAMSON.—Corn has made little or no growth during the past month, and the prospects are not encouraging for more than two-thirds of an average yield per acre. Broom corn promises about half an average crop, and sorghum cane two-thirds of an average. The quality of wheat is from medium to good; the yield per acre much below an average. Oats were injured by rust in many localities; the yield and quality much below an average. The hay crop was good in quality, and was saved in good condition; the yield per acre is above an average. There will be about three-fourths of an average yield per acre of flax, tobacco and castor beans. Irish and sweet potatoes, in condition, are one-fourth below an average. Horses, cattle and sheep are healthy; there is some complaint of cholera among hogs. Pastures

are short, and the drouth is cutting short the usual supply of grass.

WINNEBAGO.—There is a heavy growth of corn, which is earing well; the frequent showers have been favorable to rapid growth and the prospect is encouraging for nearly an average yield per acre. Broom corn is above an average in condition. Fall wheat not winter killed will make nearly an average yield per acre; sample fair to good. Spring wheat was prematurely ripened by the extreme heat while in the milky state, injuring the quality and reducing the yield per acre. The yield per acre of barley is rather light. The oat crop is fair both as to yield and quality. There was a medium crop of hay of good quality; prospects encouraging for a heavy second crop. Pastures are up to a good average in condition. The prospects are encouraging for a full average crop of Irish potatoes. Farm animals are in better condition than usual; very little complaint of disease among swine.

WOODFORD.—The condition of corn is not encouraging for more than three-fourths of an average yield per acre; there is considerable late corn which will make little or no return for the labor expended, owing to the drouth. The fall wheat is of fair quality; best on clay soils; the yield per acre is nearly up to an average. Rye crop only medium as to yield; quality good. The spring wheat crop generally a failure, owing to the chinch bugs; many fields were plowed up in June to destroy the bugs. The quality of oats injured somewhat by excessive heat, which prematurely ripened the crop; the yield per acre is about up to an average. Barley did not make an average yield per acre. Broom corn and sorghum cane will make rather more than three-fourths of an average yield per acre. Hay harvest commenced the first of July, and was saved in fair condition; the yield per acre was about up to an average. Castor beans are nearly up to an average in condition. Pastures are rather short and much in need of rain. There will be about three-fourths of an average yield per acre of Irish potatoes.

SUMMARY of Meteorological Observations for the month of July, 1880, made to the Illinois Department of Agriculture, Springfield, August 1, 1880. Hours for taking Observations: 7 a. m., 2 p. m., 9 p. m.

Stations.	Elevation above sea level.....	THERMOMETER.						BAROMETER.						*WINDS.		RAIN AND SNOW.		No. of days on which cloudiness averaged 0.8 or more...	Relative humidity.....	Deg.	
		Highest	Lowest	Mean	Range of	Highest daily mean	Lowest daily mean	Highest	Lowest	Mean	Range of	Highest daily mean	Lowest daily mean	Prevailing	Direct'n.	M's	Days on which rain fell				Total rainfall.....	Inch.	No.
NORTHERN DIVISION.																					
County.																					
Post-Office.																					
Winnebago.....	798	96	46	71	50	86	59	.....	.....	.....	.....	.....	.....	S	.....	3	9	4.32	.....	7
Durand.....	810	95	54	72	41	84	57	.....	.....	.....	.....	.....	.....	S W	.....	5	11	6.21	.....	1
Boone.....	325	93	46	71	47	82	59	.....	.....	.....	.....	.....	.....	W	.....	3	14	2.68	.....	4
McHenry.....	777	93	57	72	36	84	58	30.25	29.86	30.05	0.39	30.16	29.92	S	.....	4	11	4.39	.....	8
Kane.....	657	95	57	73	39	85	63	30.16	29.71	29.94	0.45	30.12	29.79	S W	.....	4	15	3.07	.....	.....
Cook.....																					
Chicago.....																					
CENTRAL DIVISION.																					
Stark.....		96	56	73	40	85	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	8	2.31	.....	.....
Elmira.....	460	98	52	79	46	90	67	29.78	29.45	29.65	0.33	29.77	29.51	W	.....	3	7	3.17	.....	1
Peoria.....	681	93	59	76	34	85	66	.....	.....	.....	.....	.....	.....	S W & N W	.....	4	9	1.35	.....	.....
Hancock.....	640	96	55	77	41	88	66	30.17	29.74	29.97	0.43	30.13	29.87	N W	.....	4	9	1.82	.....	.....
Springfield.....	525	96	61	79	35	88	69	.....	.....	.....	.....	.....	.....	S E & S W	.....	4	6	0.8	.....	7
Brown.....																					
Mt. Sterling.....																					
SOUTHERN DIVISION.																					
Marion.....		94	60	77	34	85	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	7.8	.....	8
Centralia.....	500	100	58	76	42	85	70	.....	.....	.....	.....	.....	.....	N E & S W	.....	5	4	7.8	.....	.....
Clay.....	725	95	62	79	33	86	69	30.21	29.85	30.10	0.36	30.21	29.91	S & S W	.....	3	2	2.5	.....	9
Madison.....		96	59	80	37	85	70	.....	.....	.....	.....	.....	.....	N	.....	4	10	4.40	.....	25
Upper Alton.....		98	52	75	46	87	65	.....	.....	.....	.....	.....	.....	S W & N W	.....	4	8	2.55	.....	3
St. Marie.....		98	52	75	46	87	65	.....	.....	.....	.....	.....	.....	N W & E	.....	5	7	6.07	.....	.....
White.....		95	64	78	31	86	72	.....	.....	.....	.....	.....	.....							4
Grayville.....																					
Golconda.....																					
Pope.....																					

*WINDS.—Maximum velocity or force is estimated as follows: 1, Very light breeze, varies between 1 and 2 miles per hour. 2, Gentle breeze, varies between 3 and 5 miles per hour. 3, Fresh breeze, varies between 6 and 14 miles per hour. 4, Strong wind, varies between 15 and 23 miles per hour. 5, High wind, varies between 30 and 39 miles per hour. 6, Gale, varies between 40 and 59 miles per hour. 7, Strong gale, varies between 60 and 69 miles per hour. 8, Violent gale, varies between 70 and 79 miles per hour. 9, Hurricane, varies between 80 and 99 miles per hour. 10, Most violent hurricane, varies from 100 upwards.

REMARKS FOR JULY.

DURAND.—C. A. Starr, Observer. Thunderstorm on the 4th. The rains have been light, only one, on the 12th, being a rain-fall of an inch. Heavy fog on the 29th and a fog-bow at sunrise.

BELVIDERE.—G. B. Moss, Observer. Thunderstorms July 1, 4, 8, 10, 16, 18, 21, 22, 26 and 31. Meteors on the 27th, 29th and 30th. Mean temperature of July 1 to 16, 75° 82, and from the 17th to the 31st 67° 95—a difference of 7° 87. Mean of 14 Julys 72° 66, 1868 being the hottest—78° 61—and 1869 the coolest—68° 21. Mean temperature of the hottest day in 14 Julys 87° 46, in 1874 being 3½ degrees warmer than any day in July, 1880. Average precipitation of 12 Julys 4 74 inches, July, 1874 being the driest 0.40 in. and 1878 the wettest, 7.32 inches.

MARENGO.—John W. James, Observer. Thunderstorms on the 10th and 13th. Solar halos on the 2d, 3d, 4th, 9th and 22d. Mean temperature of July 1880 0° 5 lower and its rain-fall 1.40 inches less than usual. Mean temperature of July 1 to 15, 74° 9 and of 16th to 31st, 67° 8, or 7° 1 lower. Rains were frequent but light. In 19 years last past, July 1868 was the warmest—78°, and 1865 the coolest—65° 1. July 1862 the wettest, 9.65 inches, and 1871 the driest 1.04 inches.

ELGIN.—E. L. Giddings, Observer. Thunderstorms on the 10th and 13th. Aurora on the 5th.

CHICAGO.—James Mitchell, U. S. A., Observer. Greatest velocity of wind 24 miles per hour, from the S. W. on the 25th. Total movement of the wind for the month 5,028 miles. There were 12 clear days, 18 fair days and one cloudy day. Average mean temperature of 6 Julys 73° 15, 1875 being the coolest—68° 6—and 1879 the hottest—76°. Mean precipitation of the last 6 Julys 4.663 inches, July, 1875 being the wettest, 7.18 inches, and 1877 the driest, 2.98 inches.

ELMIRA.—O. A. Blanchard, Observer. Thunderstorms on the 1st, 4th, 8th and 23d. Highest temperature 96° at 2 p. m. on the 13th, and the lowest 55° at 9 p. m. on the 20th and at 7 a. m. on the 21st. Monthly mean at 9 p. m. 0° 48 warmer than at 7 a. m.

PEORIA.—Fred Brendle, Observer. Thunderstorms on the 1st, 4th and 19th. Lunar halo on the 17th.

AUGUSTA.—S. B. Mead, Observer. Thunderstorms on the 4th, 8th, 13th and 18th.

SPRINGFIELD.—T. B. Jennings, U. S. A., Observer. Thunderstorms on the 1st, 2d, 18th, 19th and 25th. Solar halos on the 5th, 11th and 22d. Greatest daily range of temperature 25° on the 24th and the least daily range 7° on the 2d. There were 16 clear, 13 fair and 2 cloudy days. Maximum velocity of wind and direction 22 miles per hour from the N. W. on the 29th. Total movement of the wind for the month 5,104 miles.

MT. STERLING.—W. W. Bower, Observer. Thundershowers on the 1st, 2d, 4th and 19th. Parhelia at 6:30 a. m., on the 10th.

CENTRALIA.—J. L. Hallam, Observer. Thunderstorms on the 1st, 2d and 14th.

UPPER ALTON.—W. Leverett, Observer. Thundershowers on the 1st, 2d, 3d, 7th, 8th, 9th, 14th, 19th and 31st.

ST. MARIE.—James Picquet, Observer. Thunderstorms on July 1, 2, 4, 5, 9, 13, 14, 19 and 25. Heavy hail storm on the 2d from N. W. to S. E.—a belt about one mile wide. Some of the hail stones were more than two inches in diameter. Of the 2.55 inch rain-fall for the month, 1.93 inch fell on two days—1st and 26th. Are beginning to suffer from drouth.

GRAYVILLE.—J. L. Rhinehart, Observer. Thunderstorms on July 1, 2, 3, 4, 14, 15 and 19. Hail on July 2 and 20, when the thermometer fell to 53° and remained low for three days. Since the 4th, showers have been light. Water is becoming scarce and crops are suffering.

GOLCONDA.—J. E. Y. Hanna, Observer. Thunderstorms on the 1st, 2d, 3d, 5th, 15th and 31st. Hail on the 2d at 1 p. m., accompanied by high wind. High wind from the west at 2 p. m. on the 15th.

WHEAT CULTURE.

Report of Successful Wheat Growers.

The results attending the culture of wheat in this State, of late years, have induced a large number of farmers having little experience with the crop to experiment therewith. The following reports of the mode of culture of some successful wheat-growers in this State are published for the especial benefit of new-beginners, and may interest some experienced wheat-farmers. It was the purpose of the Department to publish reports of yields that would be creditable to each county in the State, but correspondents in many counties have not reported wheat crops that would average thirty or more bushels per acre. Attention is particularly invited to the large yields of winter wheat in some of the northern counties, where but little attention is given to this crop. An examination of a large number of reports of representative wheat crops (the majority of which are not published, for want of room,) confirms the opinion that the best yields are the results of the most thorough preparation of the seed-bed and care in the selection of seed.

BOONE.—Evi Sherman, of Poplar Grove, had a field of seventeen acres of winter wheat which produced thirty bushels per acre, that would grade in Chicago as No. 2. The seed bed was well prepared and seeded September 10, 1879. One and three-fourths bushels of white Michigan wheat was drilled to the acre. This is a smooth variety of wheat that has stood the freezing and thawing weather nobetter than other varieties. The straw is not quite as strong as the red wheat and is no more susceptible to rust than other varieties. The soil was clay and the previous crop grown on the land was oats. The crop was ready for harvesting July 10. The average cost per acre including marketing the crop its estimated at \$5 56 per acre.

CHAMPAIGN.—E. Carter, of Homer, raised an average of 37½ bushels of Fultz wheat per acre on 9¼ acres of black prairie soil on which oats had been grown the previous year and corn four years in succession before the oat crop. The seed bed was plowed shallow, harrowed twice and a drag run over the ground twice, to make the soil as compact as possible. The wheat was drilled east and west, at the rate of 1¼ bushels per acre, on the 12th of September, 1879. The seed wheat was raised on clayish timber soil, the results are in a measure due to the use of seed grown on a very different character of soil. This is a smooth variety and stands the freezing and thawing weather better than other kinds of wheat; has a tough hard straw 4 to 4½ feet in length and is not more susceptible to rust than other kinds. The berry is of large size, good quality and weighs 63 pounds to the measured bushel. The crop was harvested June 26th, 1880, and the total cost for seeding, harvesting and marketing is \$42 00, or \$4 56 per acre.

CLINTON.—W. H. Russell, of Lost Creek, on 30 acres of prairie, averaged 33 bushels of Red Sea wheat of good quality at an average cost of \$9 50 per acre. Wheat had been grown on the land the four previous seasons; the ground was plowed once, and seed bed thoroughly pulverized and made compact with harrow and roller; drilled 1½ bushels per acre September 20, 21 and 22, 1879. This is a bearded variety and stands freezing and thawing weather better than any other variety grown in the locality. The Red Sea

wheat is very free from rust and the length and strength of straw is up to a fair average. The wheat was ripe enough for harvesting the 12th of June.

CRAWFORD.—John C. Duncan, of Flat Rock, on twenty-two acres of clay land, averaged thirty-three and three-fourths bushels of No. 1 Fultz wheat per acre, at an average cost for seeding, harvesting and marketing, of \$6 55 per acre. The land had previously been in clover, and after breaking was well harrowed and then dragged; the seed was drilled September 18 and 19, at the rate of one bushel per acre. The Fultz wheat, on dry soil, stands freezing and thawing weather as well as any other variety grown in this locality, and is not liable to rust. The wheat was badly lodged, and there was a waste of between three to four bushels per acre. The Fultz wheat has proved to be the best variety in this locality, on well prepared, drained land, but on damp and indifferently prepared soil, the Velvet has shown better than the Fultz.

DEWITT.—D. W. Smith, of Farmer City, raised 1,050 bushels of Clawson wheat on 35 acres of land, an average of 35 bushels per acre. The land was a black prairie loam that had previously produced crops of oats and spring wheat; it was plowed six inches deep early in August; harrowed and rolled four times; the seed was drilled deep; used about 65 pounds of seed per acre and finished seeding the 15th of September. This variety of wheat is not bearded; has large white plump berry; stands freezing and thawing better than any other variety grown in the locality. The straw is stiff and strong and is no more liable to rust than other varieties. The wheat was of good quality with some blight and was ripe the 25th of July, and is now worth at station 85 cents per bushel; the cost of seeding, harvesting and marketing the crop was \$8 00 per acre.

DOUGLAS.—James M. Walling, of Tuscola, raised five hundred and ten bushels of Fultz wheat, on seventeen acres of black timbered soil, on which corn had been grown the previous year. The corn was cut early, and seed sown broadcast last September, at the rate of one bushel per acre, and put in by

cultivating both ways. The wheat stood the freezing and thawing weather well, and there was no sign of rust; the straw was of good length and stood up well. The wheat was harvested the 15th of June; averaged thirty bushels per acre, and would grade No. 2. The cost for seeding, harvesting and marketing the crop, was \$6 50 per acre.

KNOX.—Isaac Hunter, of Abingdon, on sixteen acres of prairie, on which oats had been previously grown, raised a crop of Lancaster Red wheat, which averaged thirty-seven and one-sixteenth bushels per acre by weight. The seed was drilled September 14 and 15, at the rate of one and one-half bushels per acre, on land well plowed and thoroughly harrowed. The crop was harvested July 1st, and was of good quality; the berry large and long, nearly white in color. The wheat is bearded, stands freezing and thawing weather as well, if not better, than other varieties; straw is taller than most varieties and has more strength or stiffness, and is no more liable to rust than other kinds grown in this locality. This crop was harvested in 1879, and the expense per acre was about \$7 50, for seeding, harvesting and marketing the crop.

LOGAN.—H. H. Sisson, of _____, on forty-six acres of land, produced 1,656 bushels of Fultz wheat, averaging thirty-six bushels. The soil was sandy loam, on which oats had been previously grown; the land was plowed shallow, well pulverized and rolled solid and seeded with a drill September 9th to 15th, using one and one-fourth bushels per acre. The wheat is smooth, red in color, has a very stiff straw and stands well; this variety will not stand winter better than other varieties grown in this locality, and is not less susceptible to rust. The berry is large and plump and will grade as No. 2; the wheat was ripe enough to harvest June 18; the cost per acre for seeding, harvesting and marketing is \$5 50 and if the investment in value of the land, taxes, etc., were estimated at as much more or \$11 00 per acre, the net profit at present market price (80) for wheat would be \$17 80 per acre.

John I. Stoltz, of Burtonview, raised 90 acres of Fultz wheat on second bottom land that had previously produced wheat, oats and corn as follows: 39 acres was on winter wheat stubble; 20 acres oat stubble; this ground was plowed, harrowed four times and rolled three times. The land was harrowed and rolled both ways at different times, and well packed before drilled; the other 31 acres was put in with a one-horse drill in standing corn, using seed (Fultz wheat) on the 90 acres at the rate of one bushel and twelve quarts to the acre. The Fultz wheat is preferred for the red color of the grain and absence of beards; it stands the freezing and thawing weather as well as any other kind; has a very stiff straw of ordinary length, this wheat is as free from tendency to rust as other varieties. The ninety acres were harvested the middle of June, and averaged a fraction over 34 bushels per acre of No. 2 wheat, at a cost of \$8 00 per acre for seeding, harvesting and marketing the crop.

MACON.—J. W. Walker, of "Put-in-Bay," raised 95 acres of wheat on rolling prairie. The previous crops grown on the land were as follows: On 38 acres, wheat; on 15 acres, oats; on 42 acres, corn. The wheat and oat ground was plowed once, harrowed three times and rolled twice; wheat was sown on corn land after the corn was cut; the wheat,

except on corn land, was drilled from the 8th to the 15th of September, at the rate of 1½ bushels per acre; 53 acres of smooth Fultz wheat, and 42 acres of red or swamp wheat. The Fultz wheat was not injured as badly as the Red or Swamp wheat by freezing and thawing weather; the latter (42 acres of corn ground) was not as well put in as the Fultz, and grew under disadvantage; the Fultz wheat has never shown any tendency to rust. The yield per acre on the 15 acres of oat stubble, was 40 bushels; on the 38 acres of wheat stubble, 30 bushels per acre; on the 42 acres of corn ground, 26 bushels per acre. Commenced harvesting the Fultz wheat the 17th of June; the wheat graded No. 2 and the cost for seeding, harvesting and marketing the crop was \$8 00 per acre.

MACOUPIN.—Preston Wright averaged thirty-four bushels per acre of Fultz wheat, on seventy-seven and one-half acres of land, at an average cost of \$7 25 per acre, for seeding, harvesting and marketing. The ground was plowed as early as possible after harvest; harrowed dragged and rolled as many times as possible until date of seeding; one bushel of seed was drilled per acre, commencing seeding the 15th of September, 1879. The general impression is that this wheat stands freezing and thawing weather better than other varieties, and that it has a stiffer and shorter straw, and ripening early, scarcely ever rusts. The wheat was of good quality and graded No. 2.

MADISON.—Thomas O. Springer, of Edwarsville, had 162 acres of Fultz wheat that averaged over 34 bushels per acre; 26 acres of which averaged 43 bushels per acre of good wheat that was ready for the machine the 10th of June. The soil is underlaid with heavy yellow clay subsoil and the land was formerly covered with heavy growth of timber. The ground was plowed twice first time eight inches and the second time ten inches deep; harrowed thoroughly and rolled with a four horse heavy roller after each plowing. The wheat was drilled ten inches between rows, the 10th of October, 1879, at the rate of one bushel per acre. This wheat rusts less than any experimented with, has a tall and stronger straw than most varieties and stands equally as well, if not better, the freezing and thawing weather.

Warren Case, of Troy, made an average of 43½ bushels per acre on loose prairie soil, on which wheat had been grown two years previous. The land was plowed early in the season, about three weeks after, harrowed down and leveled smooth; just before seeding stirred the ground two inches deep with a cultivator; then leveled down and drilled 27th of September with Fultz wheat at the rate of 1½ bushels per acre. This wheat stands freezing and thawing better than other varieties, has medium length of straw, and in strength is superior and not very susceptible to rust. The berry is of medium size, good quality, and weighs 63 pounds to the measured bushel. The wheat was harvested the 19th of June.

MONTGOMERY.—E. W. Miller, of Raymond, on twenty acres of land, one-half of which was upland, formerly timber, and the other half bottom-land, on which wheat and barley was grown the previous season. The ground was plowed four inches deep early in the season, thoroughly dragged and harrowed, then rolled until the ground was thoroughly pulverized. The wheat was put in

with a drill, at the rate of one and one-fourth bushels per acre. The wheat is called Fultz, is a smooth variety, amber in color, and has proved to be hardy, standing the freezing and thawing weather better than other varieties grown in this locality. The straw is of ordinary height, and stands better after maturity than other kinds of wheat; the berry plump and uniform. The twenty acres averaged forty-five bushels per acre, by weight, of No. 2 wheat that weighed sixty-two pounds to the measured bushel; and the total cost for seeding, harvesting and marketing the crop, was \$6 per acre.

MORGAN.—Joseph Roach, of Waverly, averaged, on fifteen acres of land, thirty-five bushels per acre of nice, plump Fultz wheat. The land is a light loam, with clay subsoil, and in 1879 produced wheat, and in 1878 corn. The ground was plowed early in August, harrowed and rolled; the wheat was drilled 25th September, 1879, at the rate of one bushel per acre. The Fultz wheat has a stiff, hard straw of good length, and stands freezing and thawing weather better than other varieties, in this locality; the crop was ripe enough to cut the 17th of June. The cost for seeding, harvesting and marketing the crop, was \$8.50 per acre.

MOULTRIE.—J. B. Johnson, of Lovington, on twelve acres of prairie loam, raised a crop of Fultz wheat, that averaged thirty-five and one-fourth bushels per acre. The previous crop was flax. The ground was plowed five inches deep, in August, harrowed twice and rolled once. The seed was drilled, at the rate of one bushel per acre, September 18th. The straw was of good length and strength, and this variety of wheat is not as susceptible to rust as some other varieties. The wheat weighed sixty and one-half pounds to the measured bushel; and the berry is of average size and the quality good. The crop was ripe enough for harvest June 20; and the cost for seeding, harvesting and marketing the crop, was \$6.50 per acre.

OGLE.—J. A. Atwood, of Stillman Valley, raised two hundred and forty bushels of White Lawton wheat, on eight acres of land; sandy loam, with clay subsoil. A crop of winter wheat was grown on the land in 1879, and spring wheat in 1878. The seed, at the rate of one and one-half bushels per acre, was sown broadcast, the 1st of September, on land plowed with common stirring plow. The wheat was mixed, but mostly White Lawton, which has good length of stiff straw, and does not rust much. The crop was ready for harvest the 29th of June, 1880. The cost per acre for seeding, harvesting and marketing the crop, was about \$5 per acre, which does not include rent or use of land.

PIATT.—John Ford, near Bement, on eleven acres of prairie land, on which oats were raised the previous season, raised a crop of Fultz wheat, that averaged thirty bushels per acre; quality good. The land was plowed early, harrowed three times, and rolled. The seed was drilled north and south, September 18, at the rate of one and one-fourth bushels per acre. This variety of wheat stands freezing and thawing weather better than other varieties grown in this section. The straw is rather short and strong, and there is less complaint of rust with this wheat than with other varieties. The crop was ready for harvest the 22d of June.

PIKE.—William Douglass, in Montezuma township, near Milton, had one hundred acres of Fultz wheat, on black soil, that averaged thirty bushels per acre, that graded No. 2, and weighed sixty-two pounds to the measured bushel. Eighty acres of the land was in wheat and twenty acres in oats the previous year. The best results are obtained where the stubble is burnt and plowed as early in the season as possible. The land was plowed once, harrowed twice, rolled, and a heavy drag run over the ground. The seed was drilled 15th September, at the rate of one bushel per acre. Fultz wheat stands freezing and thawing better than other varieties, and shows no sign of rust. The cost per acre for seeding, harvesting and marketing the crop, is \$11.60. The wheat was ready for harvesting the 18th of June.

PUTNAM.—Robert Leach, near Florid, on twenty acres of clay land, raised an average of thirty bushels per acre of Red Chaff wheat, of fair quality. There was no extra attention given to the preparation of the seed-bed; only the usual plowing and harrowing. The seed was sown broadcast about 1st of September, at the rate of one and one-half bushels per acre. The Red Chaff is a bearded variety of red wheat, and stands freezing and thawing weather better than other varieties grown in this county; and in matter of strength and length of straw, and freedom from rust, is considered a standard variety.

RICHLAND.—S. M. Thomson, Parkersburg, on seven acres of white prairie land, threshed an average of thirty-two and one-half bushels per acre of Swamp wheat, a variety of Mediterranean wheat, that does better on flat prairie land than other varieties. The Swamp wheat is a bearded variety, stands freezing and thawing weather better on wet bottom lands than any other kinds of wheat; the straw is rather soft and of medium length, and is not damaged by rust as much as other wheat, and stands wet weather well. The berry is large, red in color; the quality first-rate and weighs 62 lbs. to the measured bushel. The wheat was harvested the 15th of June, and the total cost per acre for seeding, harvesting and marketing the crop, was \$12.50. The previous crop grown on the land was hay; the land had been used as a pasture the three previous years. The ground was plowed the usual depth, harrowed and dragged until smooth; the seed was drilled the 18th of September, at the rate of one and one-fourth bushels per acres.

SANGAMON.—J. F. Lowe, of Mechanicsburg, on timber land on which clover had heretofore been grown, raised thirty-seven bushels per acre of Fultz wheat of medium quality. The seed was drilled both ways at the rate of $1\frac{1}{4}$ bushels per acre, the 17th and 18th days of September, 1879, on land plowed six inches deep rolled and thoroughly harrowed. This variety of wheat is not bearded, has a fair sized berry, red in color, and stands the freezing and thawing weather as well as any other variety. The straw is stiff and of medium length and is not specially liable to rust. Not including the rent of land the cost of production per acre is about \$5.75. The wheat was ready for the machine the 20th of June, 1880.

Robert H. Satey, near Rochester, on about nine and forty-eight hundredths acres of prairie land, raised a crop of Fultz wheat, that averaged 44.02 bushels per acre. The land was plowed four inches deep,

thoroughly harrowed and rolled. The seed was drilled September 13, at the rate of one and one-half bushels per acre. This variety stands freezing and thawing better than any other grown in this section, and has straw of medium length and strength. The Fultz wheat is not as susceptible to rust as other varieties grown in this county. The berry is of good size, weighing sixty-two pounds to the measured bushel, and is graded as No. 2. The crop was harvested June 18th; the expense for seeding, harvesting and marketing the crop, was \$8 per acre. The average yield per acre last season, was one peck more than this season.

SHELBY.—W. W. Thornton, of Shelbyville, raised thirty acres of Fultz wheat on a gravelly land with gravel subsoil, that averaged 44 8-60 bushels per acre, which weighed 62 pounds to the measured bushel. In 1877, corn and potatoes, in 1878, Millet, and 1879 and 1880, wheat was grown on the land. Six wagon loads of manure per acre were applied to the land, which was plowed eight inches deep, harrowed until level and smooth. Commenced seeding the 15th of September; drilled both ways one bushel east and west and $1\frac{1}{4}$ bushels north and south, making $2\frac{3}{4}$ bushels per acre; in 1879 drilled two bushels of wheat per acre, weighing 64 pounds and the crop averaged 42 40-60 per acre; except in very favorable seasons the seeding of last year is too heavy. Fultz wheat, in strength and length of straw, is above an average and has not shown any sign of rust, and think it stands freezing and thawing weather as well as other varieties. Commenced harvesting the 21st of June. The average cost for seeding, harvesting and marketing the crop was \$8 55 per acre.

STEPHENSON.—L. Raymond, of Freeport, on eleven acres of black prairie land, that had previously produced a crop of barley, raised this season a crop of smooth, amber wheat (name unknown), that averaged thirty bushels per acre. The berry was of medium size, good quality, and weighed over sixty pounds to the measured bushel. The land was plowed early after harvest and harrowed thoroughly; the seed was drilled the last of September, at the rate of two bushels per acre. The wheat was ripe enough for harvest the 2d of July. The expense for seeding, harvesting and marketing the crop, including the use or rent of land, was \$10 75 per acre.

TAZEWELL.—M. C. Dunkelbey, near Pekin, on thirty-seven acres of sandy loam, of which ten acres was a sand hill, raised a crop of Turkey wheat, which averaged thirty bushels per acre; ten acres of the best land averaged forty bushels per acre. Oats were grown on the land the previous year, and corn eight years before the oats. The land was plowed the last of August, and a heavy crop of weeds and cockle-burs was turned under; the ground was harrowed twice; the seeding was delayed until after several severe frosts, on account of the fly. The wheat was drilled the last of September, at the rate of one and one-half bushels per acre. The Turkey wheat is a red, bearded variety, that stands the freezing and thawing weather well; it has a short, fine straw, not any more susceptible to rust than other varieties. The berry is rather small; weighs sixty-three pounds to the measured bushel, and grades as No. 2. The average cost per acre for seeding, harvesting and marketing the crop, was \$10 50 per acre. Date of ripening, June 20th.

WHEAT.

Largest yields reported for 1880, etc.

Counties.	1880. Harvest commenced.	Earliest varieties to ripen.	Hardest varieties.	Varieties making largest average yield per acre.	Average yield per acre in bus.	Name and P. O. of party grow- ing the largest average yield per acre.	Per cent. increase in yield of drilled wheat over bro'd- cast sowing ...	Market price Aug. 1880
								\$
Adams	June 11.	Tennessee May.	Fultz.	Fultz.	35	S. P. Bradshaw, Commercial P't	17	87
Alexander	May 23	Mountain red	Red Sea, May, Fultz.	Fultz.	26	Wm. Hartwick, Donnellson.	15	87
Bond	June 10.	Fultz.	Lancaster, Medteranean	Fultz.	47	F. Maic, Belvidere.	25	80
Boone	July 1.	Fultz.	Fultz.	Small White.	40	F. A. Putman.	10	87
Brown	June 14	White May.	Fultz.	Fultz.	37	R. J. Melvin, New Bedford.	20	80
Bureau	July 1.	Odessa	Odessa	Odessa	37	Fred'k Wrigand, Monterey.	15	95
Calhoun	June 8.	Fultz, Golden Am- ber, Tappahan'ock	Fultz.	Fultz.	40			
Carroll	July 1.	Fultz.	Fultz.	Fultz.	50			1 00
Cass	June 23.	May.	Red	Red	27	G. W. Crum, Arenzville.	10	81
Champaign	June 20.	Fultz.	Fultz, Velvet	Fultz.	37½	Grasmus Carter, Homer.	23	83
Christian	June 15	Fultz.	Fultz, Medteranean.	Fultz.	40	W. T. Ricks, Morrisouville	17	81
Clark	June 10.	Early Russia	Russia, Swamp, Fultz.	Fultz, Russia,	38		25	83
Clay	June 5	Orange	Swamp, Red Sea, Medit'n	Fultz.	32	J. Blair, Louisville	15	80
Clinton	June 1.	Red May.	Red Sea, Fultz.	Fultz.	37½	A. Younker, Aviston	45	83
Coles	June 15.	California Red.	Medteranean, Fultz.	Fultz.	37		29	81
Cook	July 6.							87
Crawford	June 7.	Fultz	Blue Stem, Swamp, Medi.	Fultz.	39	Samuel Dougherty, Robinson.	10	80
Cumberland	June 6.	Michigan White Chaff	Medteranean, Swamp.	Fultz.	22	N. Fancher, Greenup	15	82
DeKalb	July 5.	Fultz.	Fultz, Golden Amber.	Bearded	25	G. F. Brock, Sandwich.	10	82
DeWitt	June 18	Fultz.	Fultz, Golden Amber.	Smooth Amber.	35	C. Cuckly, Clinton.	10	82
Douglas	June 15	Fultz.	Fultz.	Fultz.	30	James M. Walling, Tuscola.	30	80
DuPage	July 6.	Fultz.	Fultz, Medteranean.	Fultz.	40	O'Neal Morris, Paris	20	83
Edgar	June 15.	Orange	Fultz	Fultz	35	W. McMurray, Elliottstown	12	80
Edwards	June 5	Fultz.	Swamp, Medteranean.	Medteranean	30	W. Little, Sbaonier	25	81
Effingham	June 14.	Fultz.	Fultz, Swamp	Fultz.	42		38	84
Fayette	June 10.	Orange.						
Ford	June 7.	Red May	Red Sea	Fultz.	25	R. Richeson, Ewing.	20	76
Franklin	June 18.	Texas May	Fultz, White Russian	Yellow Missouri.	35	Dan. Shockey, Ellisville	18	80
Gallatin	June 5.	Tappahan'ock	Fultz, English Red	Fultz.	21½	Jos. McGuire, Waltonborough.	35	83
Greene	June 12.	Red May	Golden Amber	Fultz.	40	D. Keller, Kane.	13	88
Grundy							18	
Hamilton	June 3.	Orange	Red Sea	Red Sea	27			77

Hancock	June 15	May	Siberian	35	E. Cox, Saint Mary's	18	89
Hardin	May 31	Fultz	Fultz	21	W. W. Ayers, W. R. Patton, Spark's	25	82
Henderson	June 25	White Russian	Red Chaff			10	90
Henry	June 25	Italian	White Russian		J. B. Moore, Waseka	20	1
Iroquois	June 25	Fultz	Fultz	25		10	75
Jackson	June 7	Fultz	Fultz, Red Sea	25	W. H. Lake, Hidalgo	30	80
Jasper	June 9	Swamp	Fultz, Mediterranean	32	S. Gibson, Mt. Vernon	20	80
Jefferson	June 5	Tennessee May	Red Sea	80	Larry Powers, Jerseyville	30	76
Jersey	June 1	Tennessee May	Fultz	45		17	81
Jo Daviess	June 27	Red Bald	White May			95	95
Johnson	June 31	Orange	Orange	35	Henry Schramm, Elgin	25	82
Kane	July 1	Orange	Mediterranean	18	S. Vining, Kankakee	10	90
Kankakee	July 1			25		20	85
Kendall	July 5				Isaac Hunter, Abingdon	30	95
Knox	June 25		Lancaster Red	37		30	83
Lake	June 6		Early May	24	E. C. Lewis, Deer Park	50	95
LaSalle	June 25	Odessa	Seneca	30	G. L. Waggoner, Chauncey	12	81
Lawrence	June 10	Lancaster				37	92
Lee	July 5						
Livingston	June 16	Fultz, Turkey	Turkey	41			
Logan	June 15	Early May	Fultz	40	John Walker, Macon	12	83
Macon	June 9	Fultz	Fultz	40	J. B. Miles, Miles Station	25	83
Macoupin	June 3	Red May	Mediterranean	45	T. O. Springer, Bethalto	10	86
Madison	June 15	White May		30		25	81
Marion	June 7	May				87	87
Marshall	June 18	May	Turkey	38		17	82
Mason	May 25	Tappahannock	Swamp	24	A. R. Parker, Joppa	33	88
Massac	June 25	Siberian	Siberian	26	J. Clapsatt, Crystal Lake	10	80
McDonough	June 25	California Blue Stem	Clawson	26	J. Brown, Heyworth	15	94
McHenry	July 1	Fultz		45	Jacob Killion, Jr., Greenview	23	88
McLean	June 21	White May		17	S. J. Mason, Keithsburg	13	75
Menard	July 16	Swamp	Doty	42	E. Nixon, Waterloo	25	80
Mercer	July 1	Fultz	Fultz	45	E. W. Miller, Raymond	23	80
Monroe	May 31	Texas Red		40		16	81
Montgomery	June 14	Fultz, Gold Drop	Fultz	36	V. Thompson, Sullivan	10	92
Morgan	June 14	Fultz, Clawson, Velvet		33		25	86
Moultrie	June 29		Early May	21	John Roylean, Chillicothe	25	83
Ogle	June 25	Red Chaff	Fultz	25	John Martin, Tamaroa	15	84
Peoria	June 4	Red Sea	Fultz	30	John Ford, Bement	22	99
Perry	June 20	Fultz	Fultz	30	J. O. Bolin, Milton	15	90
Piatt	June 30	Red May, Fultz, Genesee	Fultz	18	J. B. Thompson, New Liberty	15	87
Pike	June 9	Fultz	Clawson	25	W. A. Hight, Wetang	19	80
Pope	June 1	Orange	Red Sea	30	Robert Leach, Florid	82	82
Pulaski	May 27	Red May	Red Chaff	14	James Irwin, Coulterville		
Putnam	June 25	Red Chaff	Red Sea	46	R. C. Morris, Olney	12	81
Randolph	June 7	Lancaster, Clawson, } Swamp, Amber.	Clawson	15	G. W. Joyner, Stone Fort	5	99
Richland	June 8	May	Sea Island	44	Robert Sattley, Rochester	22	77
Rock Island	June 25	Orange	Fultz			10	80
Saline	June 6						
Sangamon	June 18	Fultz					

WHEAT—*Largest yields reported for 1880, etc.*—Continued.

Counties.	1880.		Earliest varieties to ripen.	Hardest varieties.	Varieties making largest average yield per acre	Average yield per acre in bus.	Name and P. O. of party growing the largest average yield per acre.	Per cent. increase in yield of drilled wheat over bro'd-cast sowing	Market price Aug. 2, 1880
	Harvest commenced.								\$
Schuyler.....	June 17	Orange May	Golden Straw	Golden Straw	Fultz	37	Jas. Coultas, Winchester.....	20	82
Scott.....	June 10	Golden Amber	Red Chaff, Fultz	Red Chaff, Fultz	Fultz	42	W. W. Thornton, Shelbyville..	18	78
Shelby.....	June 13	Small May	Swamp, Fultz	Swamp, Fultz	Penn. Red Chaff	45		15	80
Stark.....	June 27	May	Penn. Red Chaff	Penn. Red Chaff	Fultz	30	F. Rhein, Belleville.....	15	1 00
St. Clair.....	June 8	Fultz	Fultz	Fultz	Fultz	30	L. Raymond, Freeport.....	14	80
Stephenson.....	June 25	White Chaff	Turkey	Turkey	Fultz	40	B. O'Brien, Groveland.....	26	75
Tazewell.....	June 24	May	Fultz	Fultz	Fultz	31	E. C. Ates, Jonesboro.....	50	87
Union.....	June 1	Fultz	Swamp, Lancaster, Fultz	Swamp, Lancaster, Fultz	Fultz	25	A. C. Daniels, Danville.....	24	82
Vermilion.....	June 16	Fultz, Genesee	White Winter	White Winter	Fultz	20	J. Tanquary.....Mt. Carmel	15	86
Wabash.....	June 8	Orange	Red Sea	Red Sea	Fultz	25	John Myer, Addieville.....	15	75
Warren.....	June 25	White Winter	Mediterranean, Fultz	Mediterranean, Fultz	Fultz	23	M. Jordan, Mt. Erie.....	9	95
Washington.....	June 10	Orange	Fultz	Fultz	Fultz	25	B. F. McHenry, Carmi.....	27	75
Wayne.....	June 5	Orange	Fultz	Fultz	Fultz	25	John Richey, Wilmington.....	40	90
White.....	June 3	Fultz	Little May, Red Sea	Little May, Red Sea	Fultz	30	F. Chitty, Marion.....	27	90
Whiteside.....	June 25	Fultz	Red Chaff	Red Chaff	Fultz	30	M. P. Webster, Durand.....	40	80
Will.....	July 3	Fultz	Fultz	Fultz	Fultz	30	D. T. Fanber, Reanoke.....		
Williamson.....	June 1	Orange							
Winnebago.....	June 28	Clawson							
Woodford.....	June 24	Fultz							

[CONTINUED FROM PAGE 8.]

FRUIT.

APPLES.—The reports indicate an average crop in eighteen counties; five per cent. above in twenty-one counties; ten per cent. above in four counties; fifteen per cent. above in two counties; twenty-five per cent. above in two counties; thirty per cent. above in one county, and thirty-five per cent. above in one county. In eighteen counties the condition is five per cent. below an average; eight counties, ten per cent. below; eleven counties, fifteen per cent. below; three counties, twenty per cent. below; in seven counties, twenty-five per cent. below an average, and more than twenty-five per cent. below an average in six counties.

PEACHES.—This crop is better than for several years, and is an average or better, in one-half the counties in the State. In twenty-one counties there will be an average crop; in twelve counties, five per cent. more than an average; in seven counties, ten per cent. more than an average; in two counties, fifteen per cent. more; in five counties twenty-five per cent. more; in one county, thirty-five per cent. more; in one county, fifty per cent. more; in one county, one hundred and twenty-five per cent. more than an average. The crop is five per cent. less than an average in ten counties; ten per cent. less in eight counties; fifteen per cent. less in nine counties; twenty-five per cent. less in six counties, and more than twenty-five per cent. below in three counties.

PEARS.—This crop is from fair to excellent in nearly all the counties in the State. In thirty-nine counties, there will be an average crop; in twelve counties, five per cent. more than average; in four counties, ten per cent. more; in three counties, fifteen per cent. more; in two counties, twenty per cent. more. The crop in five counties will be five per cent. below an average; in three counties, ten per cent. below; in nine counties, fifteen per cent. below; in three counties, twenty per cent. below; in five counties, twenty-five per cent. below, and in seven counties, more than twenty-five per cent. below.

PLUMS.—The reports indicate an average crop in thirty-three counties; five per cent. more in eight counties; ten per cent. more in six counties; fifteen per cent. more in one county; twenty per cent. more in one county, and twenty-five per cent. more in one county. The crop will be short—five per cent. in fourteen counties; ten per cent. in five counties; fifteen per cent. in seven counties; twenty per cent. in five counties; twenty-five per cent. in five counties, and more than twenty-five per cent. short in six counties.

GRAPES.—There will be an average crop in twenty-six counties; five per cent. more than an average in twenty-seven counties; ten per cent. more than an average in eight counties; fifteen per cent. more in one county; twenty per cent. more in one county; twenty-five per cent. more in one county. The reports indicate five per cent. less than an average crop in seventeen counties; ten per cent. less in nine counties; fifteen per cent. less in seven counties; twenty per cent. less in two counties, and more than twenty-five per cent. below in two counties.

BLACKBERRIES.—There was an average crop of blackberries in eighteen counties: five per cent. more in nineteen counties; ten per cent. more in seventeen counties; fifteen per cent. more in eighteen counties; twenty per cent. more in six counties; twenty-five per cent. more in seven counties; thirty-five per cent. more in three counties, and forty-five per cent. more in one county. The crop was short five per cent. in four counties; ten per cent. short in two counties; fifteen per cent. short in two counties; twenty per cent. short in one county, and twenty-five per cent. short in one county.

QUINCES.—The prospects of this crop are not fully reported, and the tables published elsewhere include but fifty-one counties in twenty-four of which the condition is up to an average; five per cent. above an average in two counties; ten per cent. above in two counties, and twenty per cent. above in one county. There will be five per cent. less than an average crop in five counties; ten per cent. less in three counties; fifteen per cent. less in nine counties; twenty per cent. less in one county, and twenty-five per cent. less in four counties.

FAT CATTLE.

The last assessment (May, 1880) gives the aggregate number of cattle of all ages in the State, as nearly two million head (1,999,788), an increase over the assessment (1,862,265) of that of the previous year of 137,523 head.

This increase is largely to be attributed to the more careful and complete assessment of the present year, when compared with that of the previous season.

The formidable competitor of Illinois cattle-feeders (the western ranchmen) has of late years shipped to our markets large numbers of high grade cattle of good quality, at a cost for production that gives but little encouragement for successful competition in the future, except with the choicest specimens of early matured steers.

The unfavorable returns from shipments of average lots of fat cattle of late years, has compelled many large feeders in this State to abandon the business, and the corn belt noted for its contribution annually to the best markets, of large numbers of superior fat cattle, is now producing millions of bushels of wheat and other grains, on land almost exclusively used, until of late years, for the production of corn and blue grass, for feeding cattle and hogs.

There is a decrease of over ten thousand (10,027) head in the number of fat cattle feeding for this season's market, when compared with that of 1879. Last season there were four hundred thousand (409,982) head of fat cattle marketed in this State, and the returns indicate 399,955 head of fat cattle for 1880. The same estimate is used this season as returned by correspondents last year, as to the proportion of total number of cattle assessed that will be marketed, and is believed to be a moderate estimate.

The leading dairy county of the State reports 17 per cent. of the total number of cattle assessed as fatted for market last season; while some of the counties largely engaged in

feeding cattle, report more than 20 per cent., which is found to be the average for the State. In some counties of this State, where the feeding-cattle are purchased largely in other States, and fed but one season before shipment, the estimate will be too low; but such cases are the exception, and no one conversant with the facts will be misled by the table published elsewhere, giving, by counties, the number of cattle being prepared for this season's market.

FAT HOGS.

The number of hogs assessed May 1, 1880, is 3,133,557, and exceeds that of any previous year, excepting 1872, 1873, 1874 and 1878. The number of hogs assessed in 1879 was 2,799,051, or 334,506 less than this season.

The best data at command shows that during the last three years, 70 per cent. each year of the total number of hogs assessed in this State, have been marketed, and the same per cent. has been used in determining the number of hogs feeding for the 1880 market. In 1879, 1,984,294 fat hogs were marketed in this State, and the table published elsewhere, shows 2,193,487 head of hogs for market this season; an increase of over two hundred thousand (209,193) head in favor of this season.

The condition of hogs throughout the State, with few exceptions, is much above an average, and there is less complaint than usual of diseases affecting swine.

The value and weight of the hog crop for this season will be largely influenced by the extent of the present corn-crop, which will not be up to an average in yield or quality, owing to the effects of the drouth, which has generally prevailed throughout the State during the last of July and most of August.

FAT SHEEP.

The interest in sheep husbandry has been increasing for some years, and the assessment for 1880 shows a larger number of sheep in this State than in any year since 1874, and more than in any previous year, excepting the period intervening between 1863 and 1874. The ratio of increase in the number of sheep during the past six years has not been uniform, but the profits of this industry, of late years, have been satisfactory, and the future prospects for remunerative prices for wool and mutton, are such as to inspire confidence in the future of sheep-breeding. The assessment this season shows 964,696 head of sheep, an increase of 117,595 head over that of the previous year.

The proportion of sheep heretofore fattened for market each year according to previous estimates of authorities, is about 20 per cent. of the total number of sheep assessed, and this rate has been used in determining the number of fat sheep that will be marketed during the present year. In 1879 there were 174,313 head of fat sheep marketed in this State, and as will be seen by the table published elsewhere, there will be 192,939 fat sheep prepared for market this season, an increase of 18,626 over that of the previous year.

The sheep marketed of late are reported to be heavier, of better quality, and more profitable for the feeder. This increase in weight and the improvement in quality furnishes unmistakable evidence of the increased attention given by breeders to the improvement of the breeds of sheep.

INCOMPLETE RETURNS.

The following table gives the aggregate of the returns of Agricultural Statistics of the state, by assessors for the last three years and while 8,777,006 acres are not included in the returns for 1879, it will not be difficult to approximate the proportionate area of the various crops cultivated thereon by applying the per cent. of area of the crops grown on the land reported by assessors.

It will be seen by an examination of the table that a fraction over 21 per cent. of the area reported was occupied by corn, and over 7 per cent. of the acreage reported was devoted to winter wheat and presuming the same rates to apply to the area (8,777,006 acres) not included in the returns of assessors it would increase the corn area of the state 1,843,171 acres making the total corn area of the state for 1879, 9,435,323 acres which at 38 bushels per acre would make 358,542,261 bushels, an increase of 52,628,887 bushels of corn more than reported last season.

The wheat area on the same basis would be increased at the rate 7 per cent. of the area (8,777,006 acres) not included in the returns of assessors and would make 3,055,199 acres for 1879 or 614,390 more than included in the returns for 1879.

The average yield per acre of wheat in 1879 was 18½ bushels per acre, which on the entire area of 3,055,199 acres would make the entire wheat crop of the state for the past year 57,282,971 bushels, an increase of 11,865,310 bushels more than named in the 1879 report.

The increase in acreage of the other crops, in the proportion they bear to the acreage of the state as reported, if applied to the acreage not returned, would nearly approach the extent of area occupied by the various crops grown in the state.

AGRICULTURAL STATISTICS.

The great value of the crop statistics of this department mainly consists in their early and prompt appearance during the growing season, and immediately after harvest, when the information as to condition and yield is most needed to enable the producer and legitimate dealer to decide as to the supply and value of the crop.

The last official acreage of crops, as reported by assessors, is used as a basis for applying the estimate of crop correspondents as to the area and yield of the growing crops, and it is not to be expected that the estimates of correspondents will more than closely approximate the assessed returns reported the year following.

The estimates of correspondents, with few exceptions, have been below the returns of assessors made the succeeding year, and during the last three years the reports, when compared with the assessment, have confirmed the superior judgment and careful observations made by correspondents, who are farmers of experience and standing, and largely interested in the accuracy of the returns, and, as a rule, are inclined to the side of conservatism.

BASIS FOR ESTIMATING ACREAGE, CONDITION, ETC.

It will be observed that the number 100 is used to represent the acreage of the crop of 1880, with which the acreage of the present crop is compared; also, a fair average yield, and a fair average vitality and growth, unaffected by storms, insects and contingencies; an increase of one-tenth or ten per cent., is recorded 110; a decrease of 5 per cent. is marked 95, etc.

Respectfully submitted,

S. D. FISHER, *Secretary.*

	Farm Crops, etc.					Assessors.		
	No. acres 1877.	No. bushels produced 1877.	No. acres 1878.	No. bushels produced 1878.	Per cent. of area to total acreage in state 1878.	No. acres 1879.	No. bushels produced 1879.	Per cent. of area to total acreage in state 1879.
Corn.....	7,654,474	217,046,190	6,649,226	193,080,845	19.332	7,532,152	274,101,628	21.9889
Winter wheat.....	1,500,690	21,377,023	1,806,651	23,293,388	5.252	2,477,481	43,653,284	7.0318
Spring wheat.....	1,176,068	2,260,343	3,075,314	3,075,314	6.45	2,725,490	2,725,490	0.7096
Oats.....	1,474,210	49,748,475	1,536,904	53,424,555	4.468	1,703,843	61,665,413	4.9370
Outs.....	272,942	5,395,351	4,940,811	4,940,811	0.702	281,030	5,953,690	0.8143
Apple orchard.....	12,862	402,597	13,299	607,295	0.073	5,912	25,749	0.0171
Peach orchard.....	628	16,818	834	13,510	0.002	641	6,134	0.0018
		No. gallons wine made 1877.		No. gallons wine made 1878.			No. gallons wine made 1879.	
Vineyards.....	2,612	159,944	5,178	142,964	0.015	2,839	323,323	0.0066
		No. tons pro- duced 1877.		No. tons pro- duced 1878.			No. tons pro- duced 1879.	
Timothy meadow.....	1,741,069	2,241,816	1,520,889	2,056,838	4.421	1,647,443	1,631,525	4.7738
Clover meadow.....	1,105,832	145,155	122,958	176,635	0.354	174,461	213,677	0.5061
Prairie meadow.....	450,947	514,948	385,868	448,653	1.122	442,046	483,094	1.3906
Hungarian and Millet.....	16,834	23,076	10,241	19,358	0.029	13,995	25,764	0.0405
		No. bushels produced 1877.		No. bushels produced 1878.			No. bushels produced 1879.	
Rye.....	231,972	3,825,091	233,191	2,915,910	0.678	166,915	2,648,893	0.0483
Barley.....	44,982	842,912	26,164	703,294	0.016	43,227	9,040,250	0.1252
Buckwheat.....	15,880	207,666	16,060	155,340	0.047	10,756	112,183	0.0312
Castor beans.....	4,503	17,738	381	2,525	0.001	3,054	24,344	0.0081
Beans.....	1,545	19,944	1,689	18,637	0.004	2,674	36,217	0.0077
Peas.....	1,831	13,283	1,537	21,410	0.001	779	42,688	0.0022
Irish potatoes.....	95,717	6,795,349	81,480	5,095,477	0.237	92,439	6,685,990	0.2678
Sweet potatoes.....	2,355	148,270	1,729	5,116,944	0.005	1,423	126,169	0.0041
		No. pounds produced 1877.		No. pounds produced 1878.			No. pounds produced 1879.	
Tobacco.....	12,920	7,895,586	3,883	2,268,492	0.011	3,079	2,741,329	0.0089
Broom corn.....	14,566	6,674,747	18,248	11,218,168	0.053	17,664	11,161,238	0.0511
Hemp (fibre).....	1,154	316,744	448	99,355	0.001	188	45,702	0.0005
Cotton (lint).....	705	39,186	2,484	8,035	0.007	44	8,938	0.0001
Flax (fibre).....	89,304	6,178,693	96,179	5,509,518	0.279	174,927	8,493,998	0.5008

Farm Crops, etc.	No. acres 1877.	No. gallons syrup made 1877.	No. acres 1878.	No. gallons syrup made 1878.	Perct. of area to total acreage in state 1879.	No. acres 1879.	No. gallons syrup made 1879.	Perct. of area to total acreage in state 1879.
Sorgo.....	19,335	1,227,164	14,638	1,174,549	0.042	17,833	1,309,400	0.0518
		Val. of crops produced 1877.		Val. of crops produced 1878.			Val. of crops produced 1879.	
Tornip and other root crops.....	7,057	\$279,136	3,775	\$154,149	0.011	3,139	\$722,444	0.0091
Other fruits and berries.....	4,523	178,800	3,559	197,581	0.013	3,111	185,488	0.0090
Other crops not named above.....	62,069	299,543	20,813	157,892	0.005	29,639	526,189	0.0058
Pasture.....	3,612,614	.....	3,800,211	.....	11.049	4,242,713	.....	12.2936
Woodland.....	3,625,756	.....	3,771,015	.....	10.863	3,708,567	.....	10.7459
Uncultivated land.....	1,745,643	.....	2,300,200	.....	6.687	2,380,228	.....	6.8969
Area city and town real estate not included above.....	1,287,736	.....	254,111	.....	0.738	272,127	.....	0.7885
Acreage not reported.....	11,223,539	.....	11,333,677	.....	32.612	8,770,006	.....	25.4118
Total number of acres in county.....	34,511,441		34,511,444		100.	34,511,444		100.

Live Stock, etc.	Quantity or value, 1877.	Quantity or value, 1878.	Quantity or value, 1879.
SHEEP.			
Sheep killed by dogs—number.....	39,649	26,047	28,664
Total value sheep killed by dogs—dollars.....	90,796	69,936	215,395
Number pounds wool shorn.....	3,291,677	2,891,007	3,944,558
Number fat sheep sold.....	241,422	144,762	191,398
Total gross weight fat sheep sold.....	23,176,512	12,531,597	18,071,371
DAIRY.			
Cows, number kept.....	556,466	508,753	571,628
Pounds butter sold.....	18,970,227	17,997,652	25,028,225
Pounds cheese sold.....	4,502,671	5,139,914	6,618,212
Gallons cream sold.....	2,744,259	62,707	230,497
Gallons milk sold.....	17,124,506	30,567,415	96,659,854
HORSES			
Number colts foaled.....			49,952
Number horses, any age, died.....			24,877
CATTLE.			
Number fat cattle sold.....	423,984	357,816	457,331
Total gross weight fat cattle sold.....	448,151,088	365,458,112	448,463,450
HOGS.			
Number fat hogs sold.....	2,455,573	2,271,493	2,543,278
Total gross weight fat hogs sold.....	618,804,396	550,955,097	702,102,812
Number hogs and pigs died of cholera.....	1,445,268	1,391,422	676,738
Total gross weight of swine died of cholera.....	106,949,832	139,853,508	49,326,591
CROPS, ETC.			
Number bushels timothy seed produced.....	483,571	261,559	213,329
Number bushels clover seed produced.....	64,686	77,388	138,191
Number bushels hungarian and millet seed produced....	16,463	26,787	43,776
Number bushels cotton seed produced.....	2,286	4,959	246
Number bushels flax seed produced.....	698,839	971,015	1,621,043
Number pounds grapes produced.....	3,092,748	1,922,636	3,184,952

APPENDIX.

AGRICULTURAL STATISTICS FOR 1879,

As Returned by Assessors, May, 1880.

Counties.	CORN.		WINTER WHEAT.		SPRING WHEAT.	
	Acres.	Bushels produced.	Acres.	Bushels produced.	Acres	Bushels produced.
Adams.....	88,422	3,163,897	67,242	1,217,899	336	3,451
Alexander.....	10,239	345,820	7,498	113,356	43	410
Bond.....	28,055	1,222,755	888	19,505	3,323	29,242
Boone.....	34,050	991,002	21,045	367,899	87	1,115
Brown.....	183,152	7,028,383	1,884	35,624	18,492	206,331
Bureau.....	14,715	483,929	17,217	245,365		
Calhoun.....	63,733	2,634,652	9,461	159,733	6,502	63,779
Carroll.....	50,559	1,662,550	18,506	369,996	636	6,743
Cass.....	237,029	8,540,225	15,818	378,246	852	10,326
Champaign.....	142,035	5,341,538	54,159	1,355,964	1,260	15,629
Christian.....	45,857	1,148,567	37,924	497,476	14	115
Clark.....	32,225	750,368	21,609	184,454		
Clay.....	48,893	1,431,237	74,762	1,343,193	1,039	25,240
Clinton.....	71,201	2,535,947	26,941	365,265	233	4,213
Coles.....	53,347	1,373,628	221	4,655	3,716	35,547
Cook.....	35,300	920,962	37,987	452,195		
Crawford.....	29,806	1,005,653	23,803	253,118	24	261
Cumberland.....	115,281	4,064,155	300	5,595	7,952	62,208
DeKalb.....	79,503	3,325,554	5,096	121,902	3,128	35,718
DeWitt.....	74,290	3,052,796	8,346	186,647	342	4,241
Douglas.....	31,773	930,801	344	7,298	3,291	41,088
DuPage.....	117,558	3,444,853	33,220	563,989	119	2,379
Edgar.....	19,281	614,372	22,951	349,021		
Edwards.....	37,547	1,133,491	39,053	292,830	2	20
Effingham.....	51,152	1,368,388	48,288	492,363	17	110
Fayette.....	126,855	3,976,120	502	10,511	348	3,017
Ford.....	19,847	532,668	26,955	298,479	25	390
Franklin.....	110,017	3,943,651	24,786	520,965	8,319	81,646
Fulton.....	27,117	820,006	19,217	260,365	33	320
Gallatin.....	53,514	2,225,300	50,893	1,009,789	110	3,085
Greene.....	91,486	3,073,545	303	4,399	404	4,401
Grundy.....	24,748	663,038	28,398	320,200		
Hamilton.....	125,192	4,420,472	26,966	525,350	4,073	36,830
Hancock.....	9,455	237,300	4,116	35,698	43	390
Hardin.....	68,836	2,560,420	7,096	143,191	6,464	65,782
Henderson.....	193,637	8,064,585	1,179	24,006	10,850	87,272
Henry.....	249,194	7,808,397	4,712	93,787	864	7,869
Iroquois.....	27,265	816,275	49,906	672,976	119	1,262
Jackson.....	29,685	778,813	21,190	150,400		
Jasper.....	35,265	987,759	47,823	580,933	20	400
Jefferson.....	34,448	1,153,355	49,349	896,019	27	275
Jersey.....	55,027	2,187,964	5,298	104,054	4,182	47,719
JoDavies.....	20,186	509,968	18,522	181,032	1	11
Johnson.....	50,365	5,786,901	230	4,049	3,173	34,326
Kane.....	127,750	3,409,615	1,452	31,225	2,049	43,103
Kankakee.....	73,894	2,442,699	175	3,805	2,020	20,188
Kendall.....	151,065	5,646,676	3,810	79,522	10,152	72,475
Knox.....	22,293	1,002,045	31	364	2,412	31,754
Lake.....	252,569	10,193,870	1,164	27,887	14,052	153,277
LaSalle.....	31,562	804,740	33,192	520,580	500	4,921
Lawrence.....						

Agricultural Statistics, 1879—Continued.

Counties.	CORN.		WINTER WHEAT.		SPRING WHEAT.	
	Acres.	Bushels produced.	Acres.	Bushels produced.	Acres.	Bushels produced.
Lee.....						
Livingston.....	272,756	9,871,525	1,934	30,203	3,517	19,948
Logan.....	156,119	6,063,396	10,181	277,557	2,612	31,496
Macon.....	119,423	4,240,871	15,166	327,908	2,344	23,249
Macoupin.....	102,827	4,184,433	99,129	1,970,699	81	1,352
Madison.....	89,576	3,547,107	117,980	3,350,215		
Marion.....	39,732	1,253,740	37,221	376,646		
Marshall.....	79,611	3,063,866	986	19,722	3,889	35,005
Mason.....						
Massac.....	15,348	351,697	19,846	197,373	6	60
McDonough.....	99,440	3,979,842	11,242	180,671	14,418	173,016
McHenry.....	55,383	2,033,984	531	12,236	7,619	94,021
McLean.....	272,137	10,683,762	6,545	146,979	8,177	87,333
Menard.....	60,052	1,625,109	13,518	263,907	525	4,856
Mercer.....	105,944	4,709,120	1,613	34,534	14,699	116,429
Monroe.....	17,882	530,721	50,787	940,425		
Montgomery.....	105,047	4,134,126	86,426	1,815,759		
Morgan.....	101,297	3,545,395	41,178	1,200,000	1,000	20,000
Moultrie.....	58,520	2,247,537	12,550	253,279	129	1,911
Ogle.....	114,314	4,599,577	5,217	112,442	11,212	97,055
Peoria.....	120,423	4,177,494	5,307	105,765	6,119	44,468
Perry.....	11,633	349,415	33,964	433,932	10	100
Piatt.....	97,153	3,312,561	8,246	156,794	721	8,473
Pike.....	73,120	2,738,376	89,923	2,459,835	273	4,195
Pope.....	23,241	651,082	16,128	192,363		
Pulaski.....	11,880	415,800	12,112	181,680		
Putnam.....	30,556	1,239,355	536	9,761	3,245	33,223
Randolph.....	27,907	832,117	80,602	1,341,743		
Richland.....	26,334	639,371	34,731	376,965	5	50
Rock Island.....	65,053	2,841,228	987	16,916	7,830	72,743
Saline.....	21,947	581,515	19,305	221,133	44	445
Sangamon.....	155,346	5,360,174	39,606	857,542	1,519	16,305
Schuyler.....	44,887	1,540,726	24,047	404,990	759	6,277
Scott.....	30,696	1,082,855	23,968	524,572		
Shelby.....	88,509	3,031,379	41,968	664,269	242	3,162
Stark.....	68,705	2,820,770	359	7,313	3,878	30,240
St. Clair.....	43,960	1,794,745	124,182	2,621,382	131	3,325
Stephenson.....	77,851	3,045,516	9,436	236,149	12,070	119,776
Tazewell.....	123,239	4,466,539	15,326	342,250	5,064	51,129
Union.....	19,775	556,579	25,137	296,044	53	400
Vermilion.....	151,337	5,153,382	39,308	610,384	640	7,334
Wabash.....	16,882	558,090	25,335	419,414		
Warren.....	121,803	5,039,740	1,735	39,852	10,999	85,984
Washington.....	31,240	828,057	83,021	1,232,240	13	203
Wayne.....	42,002	1,010,156	36,245	388,004	4	50
White.....	49,070	1,485,303	53,976	692,516		
Whiteside.....	113,278	4,356,213	2,845	55,183	12,328	124,364
Will.....	131,228	3,664,346	769	17,348	3,113	31,551
Williamson.....	21,949	612,266	23,479	245,094		
Winnebago.....	72,981	2,689,748	1,720	46,480	5,500	55,619
Woodford.....	117,084	4,060,688	4,292	69,682	8,433	71,374
Total.....	7,592,152	274,161,028	2,427,481	43,663,284	274,899	2,725,490

Agricultural Statistics, 1879—Continued.

Counties.	OATS.		RYE.		BARLEY.	
	Acres.	Bushels produced.	Acres.	Bushels produced.	Acres.	Bushels produced.
Adams.....	22,550	618,853	715	10,941	86	2,440
Alexander.....	597	13,086	4	75		
Bond.....						
Boone.....	21,668	762,351	1,447	19,005	487	11,005
Brown.....	4,307	90,033	409	4,986		
Bureau.....	30,330	1,023,142	1,700	30,369	1,560	29,793
Calhoun.....	1,216	26,018	6	90		
Carroll.....	24,953	927,533	5,082	74,181	5,021	105,934
Cass.....	6,107	144,749	508	4,303	20	420
Champaign.....	35,468	1,343,668	3,378	55,665	2	35
Christian.....	20,651	677,910	899	15,332	293	5,288
Clark.....	8,469	186,762	225	2,472		
Clay.....	6,983	138,634	225	1,726	2	65
Clinton.....	15,709	378,209	39	453	10	200
Coles.....	10,885	339,134	281	3,520	80	1,119
Cook.....	54,302	1,872,610	1,046	17,182	193	4,761
Crawford.....	8,764	106,422	99	918	10	400
Cumberland.....	8,127	166,728	353	2,814	17	191
DeKalb.....	47,484	1,702,020	806	14,932	2,576	56,266
DeWitt.....	13,805	339,967	2,601	43,683	19	339
Douglas.....	9,919	273,861	907	14,088	21	653
DuPage.....	30,439	1,216,753	1,620	34,774	135	3,221
Edgar.....	13,307	368,989	449	5,160	19	278
Edwards.....	2,539	47,078			7	63
Efingham.....	14,527	357,192	407	3,659	7	30
Fayette.....	11,416	262,760	376	3,210		
Ford.....	13,640	439,620	1,160	18,903	41	370
Franklin.....	4,080	63,289	16		10	154
Fulton.....	19,027	476,598	8,537	141,651	93	1,270
Gallatin.....	1,499	20,918	41	360		
Greene.....	3,547	95,603	47	650		
Grundy.....	10,492	342,080	1,865	25,512	77	1,397
Hamilton.....	2,999	50,419	27	336		
Hancock.....	33,058	998,007	3,097	45,938	10	136
Hardin.....	1,536	15,766	35	232		
Henderson.....	10,392	291,255	3,587	47,019	53	1,355
Henry.....	27,817	1,041,821	4,145	75,441	743	12,583
Iroquois.....	34,456	1,148,867	3,628	51,664	129	2,070
Jackson.....	3,838	63,044	80	1,133	79	1,596
Jasper.....	6,488	130,335	212	1,527		
Jefferson.....	9,232	153,546	99	734	28	560
Jersey.....	3,598	83,593	11	85		
JoDavies.....	30,347	1,010,128	2,683	24,561	881	18,390
Johnson.....	1,716	24,380	9	80		
Kane.....	29,710	8,664,179	1,495	31,332	458	8,717
Kankakee.....	28,572	936,145	3,129	47,078	227	7,494
Kendall.....	18,879	761,852	277	5,135	35	600
Knox.....	32,253	1,004,822	4,973	75,890	178	3,233
Lake.....	22,679	1,151,078	501	7,454	113	2,561
LaSalle.....	49,004	2,004,870	3,252	60,292	908	20,920
Lawrence.....	3,700	52,725	107	1,147	182	6,174

Agricultural Statistics, 1879—Continued.

Counties.	OATS.		RYE.		BARLEY.	
	Acres.	Bushels produced.	Acres.	Bushels produced.	Acres.	Bushels produced.
Lee.....						
Livingston.....	46,795	1,378,381	6,405	104,834	61	666
Logan.....	17,313	499,450	2,022	35,310	193	4,350
Macon.....	18,782	782,074	1,499	24,617	86	1,583
Macoupin.....	18,407	510,201	200	2,967	20	540
Madison.....	13,196	334,887	56	802		
Marion.....	11,419	286,327	509	4,376	1	15
Marshall.....	18,459	596,687	2,285	39,723	1	20
Mason.....						
Massac.....	1,129	12,578	3	71		
McDonough.....	23,654	719,620	5,760	114,444		
McHenry.....	35,065	1,215,491	1,080	16,748	765	17,107
McLean.....	57,334	1,950,650	8,823	161,415	349	6,877
Menard.....	8,839	211,968	325	4,261	80	1,522
Mercer.....	18,011	601,370	3,131	40,991	55	503
Monroe.....	5,747	87,764	27	654	87	2,665
Montgomery.....	21,566	547,525	1,561	21,091	46	1,045
Morgan.....	10,160	416,560	5,023	60,000	200	3,000
Moultrie.....	9,901	344,897	493	7,070	90	918
Ogle.....	54,205	1,972,202	4,052	98,690	8,825	187,552
Peoria.....	29,210	831,044	7,761	92,814	25	130
Perry.....	5,231	82,400	23	330		
Piatt.....	17,746	663,941	2,036	24,249	29	621
Pike.....	6,081	123,950	160	2,215		
Pope.....	4,092	83,086	20	166		
Pulaski.....	620	18,600				
Putnam.....	4,571	166,578	928	13,271	16	280
Randolph.....	10,522	187,732	16	307	17	776
Richland.....	5,923	82,469	11	143	20	750
Rock Island.....	11,800	381,626	3,240	42,441	710	14,412
Saline.....	2,172	33,042	4	10		
Sangamon.....	13,855	408,253	1,707	24,438	290	3,968
Schuyler.....	6,635	127,384	656	7,447	19	107
Scott.....	566	14,835	60	1,127		
Shelby.....	17,850	480,820	1,102	13,659	3	60
Stark.....	13,033	445,925	1,162	17,079	5	45
St. Clair.....	12,270	286,635	17	264	333	12,277
Stephenson.....	35,622	1,287,644	9,827	183,911	11,456	256,830
Tazewell.....	27,780	850,581	5,151	78,783	164	1,848
Union.....	4,332	65,284	4	100	9	135
Vermilion.....	19,713	665,369	1,146	16,881	112	1,643
Wabash.....	1,806	28,679	42	380	8	115
Warren.....	28,662	909,258	1,751	31,552	38	329
Washington.....	17,739	389,942	75	883	1	10
Wayne.....	9,297	147,964	103	959		
White.....	3,650	53,908	16	168	1	
Whiteside.....	27,573	987,871	5,760	100,679	2,505	56,254
Will.....	67,462	2,388,839	1,414	26,784	78	2,005
Williamson.....	5,201	48,898	10	52		
Winnebago.....	42,949	1,450,319	8,413	123,919	1,155	27,595
Woodford.....	34,837	1,104,614	4,451	78,076	564	9,611
Total.....	1,703,843	61,665,473	166,915	2,648,893	43,227	980,250

Agricultural Statistics, 1879—Continued.

Counties.	TIMOTHY MEADOW		CLOVER MEADOW.		PRAIRIE.		HUNGARIAN AND MILLET.	
	Acres.	Tons produced	Acres.	Tons produced	Acres.	Tons produced	Acres.	Tons produced
Adams.	24,213	16,494	3,224	3,489	20	40	21	22
Alexander.	316	288	215	228	3		10	11
Bond.								
Boone.	14,675	25,738	2,776	4,114	7,400	9,439	52	81
Brown.	7,422	5,262	1,981	1,934	12	9	4	6
Bureau.	31,050	38,053	883	1,224	12,117	14,768	72	163
Calhoun.	1,024	607	1,010	751	147	115	6	4
Carroll.	18,310	28,593	6,084	10,427	2,544	3,647	21	50
Cass.	3,562	2,499	40	22	726	764	14	13
Champaign.	31,984	35,038	310	327	2,101	2,028	263	809
Christian.	29,365	25,016	172	204	1,587	301	37	33
Clark.	14,754	14,329	1,132	1,266	2	3	3	16
Clay.	25,823	7,450	10	7	67	63	17	28
Clinton.	10,676	8,296	61	51	131	54	16	26
Coles.	19,052	19,430	515	757	126	139	335	546
Cook.	30,636	34,496	1,125	1,823	72,366	71,788	1,103	751
Crawford.	11,520	9,743	306	299	117	157	20	22
Cumberland.	13,738	10,325	26	16	3	6	26	24
DeKalb.	36,748	52,270	4,178	5,552	27,736	28,398	179	367
DeWitt.	13,208	12,836	59	94	268	259	27	116
Douglas.	16,703	18,783	583	558	220	219	217	463
DuPage.	23,004	31,470	298	443	15,321	17,668	100	190
Edgar.	26,420	29,394	555	729	470	374	185	350
Edwards.	7,522	5,974	520	570	44	32		
Effingham.	16,497	9,969	28	18	960	472	28	28
Fayette.	13,902	8,220	347	346	266	400	111	201
Ford.	18,574	18,657	185	270	2,974	2,879	245	906
Franklin.	2,714	1,312	419	433	604	330	7	46
Fulton.	23,635	18,901	7,592	8,161	109	159	11	12
Gallatin.	1,745	1,729	1,217	1,079			7	4
Greene.	11,235	7,794	889	699	410	10	23	42
Grundy.	15,010	18,250	289	359	13,451	13,461	121	195
Hamilton.	5,157	4,849	364	331				
Hancock.	34,532	24,606	1,835	1,661	455	520	15	13
Hardin.	1,162	790	976	356			27	48
Henderson.	9,496	8,101	169	174	384	397	6	4
Henry.	30,254	42,110	1,103	1,740	12,372	16,567	247	543
Iroquois.	41,574	45,739	488	678	10,898	9,647	1,029	3,568
Jackson.	3,201	3,202	2,582	2,657			100	180
Jasper.	12,234	7,837	176	71	400	190	17	13
Jefferson.	7,980	5,411	94	61	708	460	22	29
Jersey.	6,800	3,836	1,160	771	5		4	2
Jo Daviess.	26,533	32,088	6,112	7,460	2,806	2,613		
Johnson.	1,398	1,222	2,621	2,311			8	5
Kane.	33,037	50,813	2,489	4,101	16,666	20,721	361	594
Kankakee.	29,630	40,808	1,008	1,167	16,410	19,384	536	2,697
Kendall.	19,431	26,572	2,150	3,391	9,422	11,042	85	123
Knox.	38,288	31,186	1,843	1,757	472	508	133	153
Lake.	18,374	33,216	1,816	2,346	24,931	28,562	128	201
LaSalle.	45,613	52,118	1,580	2,500	30,300	32,247	1,806	3,200
Lawrence.	7,247	5,152	1,058	872	30	50	2	2

Agricultural Statistics, 1879—Continued.

Counties.	TIMOTHY MEADOW		CLOVER MEADOW.		PRAIRIE.		HUNGARIAN AND MILLET.	
	Acres.	Tons produced	Acres.	Tons produced	Acres.	Tons produced	Acres.	Tons produced
Lee.....								
Livingston.....	41,332	4,312	1,141	1,371	16,851	16,004	409	628
Logan.....	12,814	10,934	222	261	565	502	50	58
Macon.....	15,152	14,475	387	369	468	425	64	98
Macoupin.....	28,254	18,781	765	657	119		82	121
Madison.....	14,228	12,624	729	858			247	254
Marion.....	13,319	8,304	1,883	1,640	582	234	36	41
Marshall.....	13,858	13,841	630	852	2,379	2,718	53	116
Mason.....								
Massac.....	1,880	1,235	935	414	23	2	30	40
McDonough.....	20,142	15,984	2,106	2,070	90	54		
McHenry.....	29,020	40,437	7,823	11,619	24,769	28,843	658	1,150
McLean.....	50,058	48,270	1,593	1,909	2,835	2,555	143	218
Menard.....	8,315	5,407	142	98	59	25	14	21
Mercer.....	20,857	24,425	567	920	1,384	1,816	30	64
Monroe.....	2,283	2,042	4,316	2,924			57	55
Montgomery.....	27,573	16,176	253	171	5	2	1,095	878
Morgan.....	34,794	34,194	1,300	1,300	109	75	30	100
Moultrie.....	9,142	9,180	203	239	202	207	132	291
Ogle.....	20,720	31,859	16,322	25,714	5,668	7,433	62	96
Peoria.....	26,075	20,593	3,838	4,417	790	894	91	146
Perry.....	2,356	2,086	114	94	6	6	57	95
Piatt.....	12,624	12,066	256	218	546	497	188	326
Pike.....	13,186	9,920	3,154	3,020	133	133	23	24
Pope.....	1,873	1,895	890	969			30	34
Pulaski.....	2,000	2,500	1,000	2,000				
Putnam.....	5,588	6,288	410	502	543	632	58	106
Randolph.....	4,863	3,865	3,555	2,779	11	14	155	236
Richland.....	11,265	6,266	414	296	2,348	1,222	1	4
Rock Island.....	13,725	20,604	825	1,139	9,109	13,065	35	81
Saline.....	2,777	2,026	452	286			4	8
Sangamon.....	23,779	17,037	622	679	90	56	70	117
Schuyler.....	9,306	6,514	3,392	3,412	73	31	20	29
Scott.....	4,453	3,009	127	103	18	18		
Shelby.....	25,761	17,403	165	95	105	62	211	504
Stark.....	10,008	9,889	494	898	1,121	1,074	41	60
St. Clair.....	8,249	7,320	3,997	2,830	19	28	22	31
Stephenson.....	15,118	443	12,785	19,620	5,783	8,457	67	173
Tazewell.....	20,518	18,104	2,166	2,830	1,597	1,865	87	312
Union.....	1,757	1,670	2,971	2,635			11	14
Vermilion.....	36,636	42,665	359	575	1,479	1,313	573	880
Wabash.....	3,220	3,121	1,130	995	1,195	833		
Warren.....	22,403	21,493	580	752	250	206	29	66
Washington.....	4,515	3,981	177	97	38	13	88	100
Wayne.....	8,978	6,279	397	272	10,424	6,477	19	37
White.....	5,842	5,025	2,513	2,253			11	14
Whiteside.....	20,132	28,838	4,800	7,374	15,572	19,067	219	418
Will.....	39,811	52,184	3,775	5,492	36,365	42,745	645	604
Williamson.....	2,599	2,171	1,665	1,620			9	10
Winnebago.....	17,676	25,253	6,904	10,705	7,633	10,474	59	129
Woodford.....	19,731	27,065	2,583	2,649	2,138	2,066	73	77
Total.....	1,647,443	1,637,525	174,461	215,677	432,046	483,064	13,995	25,764

Agricultural Statistics, 1879—Continued.

Counties	BUCKWHEAT.		CASTOR BEANS.		BEANS.		PEAS.	
	Acres.	Bushels produced	Acres.	Bushels produced	Acres.	Bushels produced	Acres.	Bushels produced
Adams	125	787			45	836	4	275
Alexander					10	1,147	8	1,180
Bond								
Boone	559	6 673						
Brown	34	183			5	63	10	202
Bureau	68	783			9	87		
Calhoun	2	21			9	135	5	214
Carroll	84	1,008						
Cass	14	265			5	74	9	254
Champaign	248	2,897			1	24	2	140
Christian	43	499			8	358	7	160
Clark	232	2,808			10	175	1	16
Clay	85	1,066			6	206		29
Clinton	3	41	10		100	1,942		
Coles	71	892	220	1,912	10	1,044	5	154
Cook	61	333			10	95		
Crawford	138	1,750	16		24	310	3	95
Cumberland	183	2,811	104	1,320	5	194	160	16,959
DeKalb	521	5,005			32	287		
DeWitt	23	363			137	1,060	48	448
Douglas	102	893			22	318		
DuPage	60	420			7	122	1	27
Edgar	127	136			7	126	1	20
Edwards			1		3	42		
Efingham	65	901			13	222	3	85
Fayette	113	1,238	42	734				
Ford	95	1,113			30	501	1	10
Franklin	17	100	522	3,782	26	284		
Fulton	355	3,019	11	37	8	101	12	309
Gallatin			4	28	11	27	10	50
Greene	11	21			35	286	7	10
Grundy	70	538						
Hamilton			175	1,109	8	148	1	7
Hancock	155	1,750			22	321	4	85
Hardin	7	115			2	35		
Henderson	45	324			16	223	9	14
Henry	129	1,547	8	52	3	57		
Iroquois	574	5,063			16	121		
Jackson	44	492	3	25	7	160	16	370
Jasper	229	2,404	3	91	71	907	2	46
Jefferson	24	122	403	2,105	4	18	1	87
Jersey					74	1,061	1	30
Jo Daviess	226	2,046	5	175	23	170	1	112
Johnson	1	14	102	125	17	130	1	4
Kane	364	3,498	83	1,057	54	784	10	147
Kankakee	201	1,520					7	7
Kendall	94	848			10	168	1	47
Knox	213	1,801			12	126		
Lake	119	1,514	2	46	2	40	1	5
LaSalle	246	2,682	8	260	95	959	1	26
Lawrence	110	1,439			24	418	4	90
					30	754	5	351
					58	531	1	10

Agricultural Statistics, 1879--Continued.

Counties.	BUCKWHEAT.		CASTOR BEANS.		BEANS.		PEAS.	
	Acres.	Bushels produce	Acres.	Bushels produced	Acres.	Bushels produced	Acres.	Bushels produced
Lee					101	1,269	8	83
Livingston	246	2,453			6	145	1	20
Logan	21	318	1	10	18	390	2	45
Macon	35	439	1	6	9	168	1	6
Macoupin	11	129	36	544				
Madison	1	40			137	1,671	1	37
Marion	158	1,880	62	678	5	125	1	15
Marshall	28	377						
Mason					3	20	16	120
Massac				1	17	378		
McDonough	180	1,672			75	942	6	121
McHenry	1,043	10,406			89	1,002	1	12
McLean	124	1,173	3	23	8	54		
Menard					35	461	1	47
Mercer	127	1,213						
Monroe					13	250	3	160
Montgomery	40	254	4	86	50	400	40	1,200
Morgan	10	100			12	131		
Moultrie	22	272			31	740	16	150
Ogle	272	3,194	4	60	30	423	7	455
Peoria	147	1,535						
Perry			4	80				
Piatt	105	1,573	1	18	27	454	1	20
Pike	14	117			26	121	13	560
Pope	2	21			1	17	1	205
Pulaski					100	4,000	150	6,000
Putnam	12	141						
Randolph	13	169	74	842	1	32	1	26
Richland	115	1,611			17	329	1	2
Rock Island	174	1,907	1	3	7	142		
Saline			105	789				
Sangamon	4	27			20	180	3	124
Schuyler	120	1,008			12	97		22
Scott								
Shelby	137	1,827		13	45	563		
Stark	54	339			8	91		
St. Clair	9	131	8	200	8	530	84	9,625
Stephenson	193	2,421			42	329		
Tazewell	142	1,746			26	229		
Union	17	84			2	26	1	
Vermilion	167	1,996		8	40	901	13	299
Wabash	12	129	15	165				
Warren	77	871			49	80		
Washington	17	32	155	1,287	19	124	1	67
Wayne	120	1,305	627	4,398	110	999	1	1
White	2	25	13	66	3	16	1	10
Whiteside	190	1,976			11	123	3	242
Will.	134	980			30	456	7	154
Williamson			207	1,397	1	3		
Winnebago	140	1,729	19	142	73	772	30	589
Woodford	61	817	31	442	5	43	1	20
Total	10,786	112,180	3,084	24,344	2,674	36,217	779	42,688

Agricultural Statistics, 1879—Continued.

Counties.	IRISH POTATOES.		SWEET POTATOES		TURNIPS AND OTHER ROOT CROPS.	
	Acres.	Bushels produced	Acres.	Bushels produced	Acres.	Value of crop produced
Adams.....	1,895	91,668	38	2,904	56	\$1,914
Alexander.....	151	16,964	15	1,725	23	830
Bond.....						
Boone.....	469	35,663	1	40	7	2,051
Brown.....	348	16,181	4	281	15	1,421
Bureau.....	1,657	102,495	3	99	3	275
Calhoun.....	310	15,055	1	110		426,899
Carroll.....	337	60,611	2	61	1	
Cass.....	219	15,888	34	1,970	3	105
Champaign.....	1,706	150,245	15	1,313	9	300
Christian.....	851	38,787	18	1,237	42	2,574
Clark.....	401	32,969	5	241	180	1,155
Clay.....	123	6,375	2	460	112	1,158
Clinton.....	682	40,025	4	346	6	108
Coles.....	661	64,784	4	475	15	447
Cook.....	9,677	719,725	22	2,000	258	17,915
Crawford.....	322	17,496	4	609	88	959
Cumberland.....	183	9,865	16	1,550	6	308
DeKalb.....	1,604	114,145			10	120
DeWitt.....	328	29,811	2	292	4	268
Douglas.....	168	14,851	54	724	15	60
DuPage.....	3,349	262,968			10	360
Edgar.....	457	40,022	18	1,241	14	870
Edwards.....	114	16,610	4	470		
Effingham.....	427	25,697	4	256	16	3,689
Fayette.....	208	15,536	9	640		
Ford.....	393	26,249	2	90	10	410
Franklin.....	36	2,537	4	428		
Fulton.....	770	28,698	11	591	32	680
Gallatin.....	174	15,805	3	110	3	100
Greene.....	181	7,638	16	453	35	1,523
Grundy.....	492	29,592	1	150	10	911
Hamilton.....	114	10,627	8	1,181	13	336
Hancock.....	1,210	60,812	11	529	18	1,743
Hardin.....	1,301	138,226	30	2,168	33	1,118
Henderson.....	124	7,828	6	240		
Henry.....	1,126	84,061	1	144	20	1,644
Iroquois.....	1,460	103,005	6	369	25	502
Jackson.....	430	39,123	26	2,660	103	4,026
Jasper.....	354	16,854	9	868	120	4,437
Jefferson.....	232	15,312	23	2,697	37	1,515
Jersey.....	309	17,563	10	1,068	20	211
JoDavies.....	1,650	112,501	6		17	788
Johnson.....	171	14,285	11	440	5	55
Kane.....	1,250	90,595			5	1,500
Kankakee.....	1,081	73,116	1	90	4	1,125
Kendall.....	692	37,895	1	40		
Knox.....	1,259	64,983	18	770	9	278
Lake.....	1,724	55,887			13	751
LaSalle.....	2,804	211,470	1	90	12	586
Lawrence.....	292	25,288	9	966	65	2,058

Agricultural Statistics, 1879—Continued.

Counties.	IRISH POTATOES.		SWEET POTATOES		TURNIPS AND OTHER ROOT CROPS.	
	Acres.	Bushels produced	Acres.	Bushels produced	Acres.	Value of crop produced
Lee.....	1,621	96,001	4	297	4	35
Livingston.....	624	40,053	8	857	17	867
Logan.....	938	70,675	5	955	5	240
Macon.....	367	22,679	11	1,078	13	1,874
Macoupin.....	4,719	385,585	24	2,023	233	9,382
Madison.....	170	12,714	3	451	51	2,583
Marion.....	415	28,628	1	35	1	30
Marshall.....	223	21,100	13	2,834	16	4,228
Mason.....	576	6,912	..	185	2	326
Massac.....	1,796	114,637	..	..	36	675
McDonough.....	1,734	127,528	11	751	27	2,794
McHenry.....	310	11,708	36	2,721	37	1,919
McLean.....	915	63,860	3	322	17	160
Menard.....	978	60,468	..	..	..	..
Mercer.....	457	27,999	4	316	5	431
Monroe.....	2,500	175,000	100	5,000	40	42,325
Montgomery.....	225	14,867	5	242	1	145
Morgan.....	1,553	138,737	8	1,448	2	70
Moultrie.....	1,581	88,942	26	1,270	12	282
Ogle.....	95	10,561	14	1,710	2	130
Peoria.....	399	30,130	3	109	16	941
Perry.....	671	26,703	5	190	17	24,940
Platt.....	1,636	172,666	39	1,876	434	26,655
Pike.....	75	7,500	100	20,000	..	5,000
Pope.....	305	16,745	1	70	..	..
Pulaski.....	680	66,991	36	3,649	61	2,114
Putnam.....	231	17,235	4	345	15	378
Randolph.....	2,106	188,100	1	250	56	1,530
Richland.....	86	7,895	3	515	11	580
Rock Island.....	1,061	54,556	43	2,875	36	29,137
Saline.....	248	11,865	6	825	11	1,134
Sangamon.....	273	9,427	4	110	2	160
Schuyler.....	618	33,399	..	286	43	383
Scott.....	317	25,449	1	30	9	50
Shelby.....	3,022	267,369	55	5,436	22	1,010
Stark.....	1,715	141,834	4	217	27	79,065
St. Clair.....	938	58,098	38	..	13	290
Stephenson.....	523	48,243	219	22,890	13	400
Tazewell.....	915	78,144	7	798	36	5,446
Union.....	179	47,023	..	..	..	..
Vermilion.....	526	39,509	..	133	1	100
Wabash.....	564	40,979	29	2,960	28	578
Warren.....	248	12,288	8	339	74	1,074
Washington.....	293	28,098	12	1,449	6	69
Wayne.....	1,453	111,630	7	713	4	530
White.....	2,690	149,367	1	120	148	11,850
Whiteside.....	138	9,598	25	2,595	9	135
Will.....	1,235	180,696	2	3	9	6,045
Williamson.....	721	44,413	1	205	15	340
Winnebago.....	..	..	..	..	..	..
Woodford.....	..	..	..	..	..	..
Total.....	92,439	6,685,990	1,423	126,169	3,139	\$722,444

Agricultural Statistics, 1879—Continued.

Counties.	HEMP (Fibre).		COTTON (Lint).		FLAX (Fibre).	
	Acres.	Pounds produced	Acres.	Pounds produced	Acres	Pounds produced
Adams.....						
Alexander.....						
Bond.....						
Boone.....					2, 142	216, 900
Brown.....						
Bureau.....						
Calhoun.....						
Carroll.....					64	
Cass.....						
Champaign.....		30			10, 917	104, 846
Christian.....					1, 337	6, 568
Clark.....					32	129
Clay.....					2, 126	962
Clinton.....						
Coles.....						
Cook.....					11, 763	513, 240
Crawford.....					8	
Cumberland.....						
DeKalb.....					10, 157	27, 300
DeWitt.....						
Douglas.....	1	206				
DuPage.....					5, 884	
Edgar.....					65	1, 000
Edwards.....						
Efingham.....					4	37
Fayette.....	5	1, 700			16	4, 000
Ford.....	110	13, 000			28, 883	985, 530
Franklin.....			1	310	28	5, 280
Fulton.....						
Gallatin.....						
Greene.....						
Grundy.....					1, 907	35
Hamilton.....					30	
Hancock.....						
Hardin.....			4	245		
Henderson.....						
Henry.....						
Iroquois.....					34, 801	5, 265, 000
Jackson.....			6	1, 125		
Jasper.....					1, 170	
Jefferson.....			1	112	493	
Jersey.....						
JoDavieess.....					2, 176	344, 965
Johnson.....						
Kane.....					623	17, 190
Kankakee.....					2, 847	145, 290
Kendall.....					30	
Knox.....						
Lake.....					6, 356	
LaSalle.....					400	
Lawrence.....			12	2, 750	6	

Agricultural Statistics, 1879—Continued.

Counties.	HEMP (Fibre).		COTTON (Lint).		FLAX (Fibre).	
	Acres.	Pounds produced	Acres.	Pounds produced	Acres.	Pounds produced
Lee.....					17,336	579
Livingston.....						
Logan.....	60	30,000			1,161	235,175
Macon.....						
Macoupin.....						
Madison.....		15		5	138	65
Marion.....					10	
Marshall.....						
Mason.....			1	2,267		
Massac.....						
McDonough.....		356			3,508	420
McHenry.....	1				4,849	555,725
McLean.....	1	50				
Menard.....						
Mercer.....						
Monroe.....					371	288
Montgomery.....						
Morgan.....					674	
Moultrie.....					1,445	
Ogle.....						
Peoria.....						
Perry.....	2	100			5,427	1,885
Piatt.....						
Pike.....			12	1,909		
Pope.....						
Pulaski.....						
Putnam.....	7					
Randolph.....					530	28
Richland.....						
Rock Island.....			2	170		
Saline.....	1	245				
Sangamon.....						
Schuyler.....						
Scott.....			4	25	205	6,000
Shelby.....						
Stark.....						
St. Clair.....					2,155	16,805
Stephenson.....						
Tazewell.....						
Union.....					9,380	75
Vermilion.....						
Wabash.....						10,277
Warren.....					46	719
Washington.....			1	10	326	5,751
Wayne.....						
White.....						
Whiteside.....					3,110	12,776
Will.....					1	50
Williamson.....					47	100
Winnebago.....						
Woodford.....						
Total.....	188	45,702	44	8,928	174,927	8,493,998

Agricultural Statistics, 1879—Continued.

Counties.	TOBACCO.		BROOM CORN.		SORGHO.		OTHER CROPS NOT NAMED.	
	Acres.	Pounds produced	Acres.	Pounds produced	Acres.	Gallons syrup made.	Acres.	Value of crop produced
Adams.....	3	1,205	11	8,675	525	27,773	275	\$7,265
Alexander.....			13	9,100	122	11,441	54	352
Bond.....								
Boone.....			287	161,600	4	325		
Brown.....	8	2,315	6	2,260	354	16,968		565
Bureau.....			2	500	75	5,753	15	4,232
Calhoun.....	3	2,200			43	2,803		
Carroll.....	25	26,341	9	6,000	36	1,473	7	330
Cass.....					16	1,880	48	1,800
Champaign.....	1	320	1,185	925,200	244	22,200	29	100
Christian.....	4	2,955	19	9,330	136	12,129	60	7,823
Clark.....	20	10,105	27	8,870	418	62,488		200
Clay.....	4	1,550	4	920	495	22,046		30
Clinton.....	2	1,250	25	6,000	102	7,866		
Coles.....	8	6,036	5,188	3,202,030	180	20,086	1	550
Cook.....	17	20,900			10	6,296	1,277	55,047
Crawford.....	44	42,102	8	4,406	368	25,348	79	1,959
Cumberland.....	8	2,160	102	61,700	342	22,374	6	18
DeKalb.....			3	1,000	3	414	291	3,527
DeWitt.....	1	1,853	16	10,300	48	3,984	64	2,295
Douglas.....	22	14,991	2,456	1,523,182	72	26,196	60	
DuPage.....			5	1,000	1	168	23	275
Edgar.....	16	7,502	164	78,450	1,085	14,877	187	526
Edwards.....	1	100	1	30	120	15,217		
Effingham.....	8	4,948	7	3,762	425	34,372	66	100
Fayette.....		4,492	8	6,017	364	35,664		
Ford.....			57	31,800	76	4,994	28	87
Franklin.....	48	31,262	1	20	160	9,087	20	
Fulton.....	4	757	6	3,285	283	22,691	8	7,457
Gallatin.....	11	4,725			213	9,783	30	
Greene.....	23	5,340	2	340	92	5,058	2	
Grundy.....		16			15	924	83	1,910
Hamilton.....	192	125,022			296	22,513	40	85
Hancock.....	1	585	50	26,480	310	24,947	37	900
Hardin.....	21	4,966			174	9,690		
Henderson.....					33	1,962	50	520
Henry.....		105	4,601	3,087,845	65	11,506	530	2,175
Iroquois.....		1,876	11	133,010	288	23,949	497	5,031
Jackson.....	14	12,445	3	2,500	288	22,601	158	2,220
Jasper.....	33	21,057	3	965	528	35,326		22
Jefferson.....	11	6,907	10	3,270	344	15,554	55	2,115
Jersey.....	1	1,475	12	6,000	30	2,100	53	100
JoDavess.....	450	682,048	10	6,000	36	3,545		505
Johnson.....	188	111,952	7	1,300	238	19,504	39	
Kane.....					2	150	362	3,367
Kankakee.....			6	1,000	91	6,603	1,257	3,424
Kendall.....					2	77	1	60
Knox.....	1	1,000	1,291	884,270	206	15,100	72	127
Lake.....			7	5,110	1	63	23	483
LaSalle.....	1	50	25	14,000	167	15,166	338	155,650
Lawrence.....	8	7,090	18	6,890	295	21,191	44	20,100

Agricultural Statistics, 1879—Continued.

Counties.	TOBACCO.		BROOM CORN.		SORGHO.		OTHER CROPS NOT NAMED.	
	Acres.	Pounds produced	Acres.	Pounds produced	Acres.	Gallons syrup made.	Acres.	Value of crop produced
Lee.....								
Livingston.....	1	200	41	69,600	152	10,859	12,195	\$ 35
Logan.....			24	88,000	36	2,633	25	1,535
Macon.....	1	720	10	5,317	82	9,592		
Macoupin.....	2	1,330	35	19,280	158	17,331	404	2,803
Madison.....					173	14,685	1,582	
Marion.....	11	10,866	23	8,216	307	26,808	6	6,964
Marshall.....			20	8,000	47	3,788	3	500
Mason.....								
Massac.....	107	92,840		235	182	16,711	18	543
McDonough.....		731			162	22,338	5	83
McHenry.....	3	927	28	2,373	161	5,679	387	12,795
McLean.....	1	250	21	11,900	157	14,270	187	4,052
Menard.....	3	100	4	3,900	55	1,973	107	80
Mercer.....			190	122,000	193	18,094	57	680
Monroe.....					79	4,323	57	695
Montgomery.....	5	2,087	10	8,000	226	20,904	446	1,175
Morgan.....	10	3,000	30	15,000	75	4,000	150	10,472
Moultrie.....	1	300	37	21,270	151	11,680	96	
Ogle.....			41	18,400	20	3,326	2	50
Peoria.....	1	85	49	17,600	84	6,950	123	8,730
Perry.....	1	800	5		68	5,676		
Piatt.....	1	5,995	843	320,060	82	10,668	11	320
Pike.....	20	11,500	10	5,000	225	14,328	761	250
Pope.....	59	33,000			674	41,955	2	41
Pulaski.....	50	45,000			150	15,000		
Putnam.....					48	3,948		
Randolph.....	2	520	6	2,605	293	22,410	11	
Richland.....	7	3,180	6	2,300	294	20,918		
Rock Island.....			14	8,000	72	6,148	63	
Saline.....	604	440,807	6	700	357	20,840		
Sangamon.....	2	715	8	5,059	60	3,179	185	7,319
Schuyler.....		630	65	24,300	258	24,544	65	742
Scott.....	1	75			2	1,315		
Shelby.....		3,001	90	40,500	256	22,917	31	466
Stark.....			41	22,500	29	3,254	1,687	
St. Clair.....	1	25	1	400	98	8,709	396	147,515
Stephenson.....	148	296,911	40	51,395	21	2,363	39	240
Tazewell.....		1,780	8	1,600	75	7,067	18	406
Union.....	1	1,500	1	225	150	11,260	548	7,680
Vermilion.....	4	2,353	4	2,496	191	19,734	300	1,135
Wabash.....			23	6,000	102	7,777		
Warren.....			5	1,540	133		2,212	2,494
Washington.....	5	1,620	5	2,550	252	15,117	13	98
Wayne.....	23	16,054	4	2,220	619	38,020	40	611
White.....	38	23,097			420	22,310	380	2,403
Whiteside.....			1	800	26	2,172	1	1,257
Will.....			3	1,000	18		506	1,264
Williamson.....	764	558,259	47	20,000	507	29,817	2	100
Winnebago.....			191	101,380	20	2,146	157	5,488
Woodford.....		70	1	5,600	62	5,640	72	2,296
Total.....	3,079	2,741,329	17,664	11,161,238	17,883	1,309,400	29,639	\$526,189

Agricultural Statistics, 1879—Continued.

Counties.	APPLE ORCH-ARDS.		PEACH ORCH-ARDS.		PEAR ORCH-ARDS.		VINEYARDS.		FRUITS & BER-ries not includ-ed in orchards.	
	Acres	Bushels produced	Acres	Bushels produced	Acres	Bushels produced	Acres	Gallons wine made.	Acres	Value of crop produced
Adams.....	6,406	83,820	108	5	7	35	88	2,798	92	\$4,765
Alexander....	510	5,369	41	150	1				6	325
Bond.....										
Boone.....	1,837	14,456					1	50	1	50
Brown.....	1,773	26,014	40	108	3	74	15	1,176	11	317
Bureau.....	6,732	65,245	40	1,085			24	2,853		241
Calhoun.....	2,469	58,403	4				20	1,954		
Carroll.....	1,473	12,480					4	40	1	115
Cass.....	1,143	13,262	29	702						
Champaign...	4,906	126,972	55	217						
Christian.....	4,530	116,688	71	282	27	19	27	1,645	42	3,460
Clark.....	2,129	78,952	57	810			44	3,330	12	498
Clay.....	1,568	57,186	17	8			3	514	2	115
Clinton.....	2,500	95,327	32	10			8	600	16	576
Coles.....							68	7,345	6	9,065
Cook.....	4,235	46,606	24	890	17	290	12	84	30	650
Crawford.....	1,772	65,923	4				19	2,561	90	4,564
Cumberland...	1,403	42,919	10	65						51
DeKalb.....	4,014	30,869			1		10	528	48	3,510
DeWitt.....	1,977	43,542	35	25						10
Douglas.....	1,877	88,523	40	1,235	4	75	36	605		380
DuPage.....	2,620	34,676	1	15	4	75	10	700	21	1,820
Edgar.....	3,386	138,642	57	596	6	51	20	226	10	2,050
Edwards.....	1,377	21,500	15				14	403	18	118
Effingham.....	1,663	54,015	50	217				45		
Fayette.....	2,339	94,947					16	865		360
Ford.....	2,025	12,679	2	2	1				1	1,141
Franklin.....	1,442	15,898	52	110	4		11			302
Fulton.....	4,791	54,236	63	20			2			80
Gallatin.....	976	3,770	126				45	275	3	1,312
Greene.....	1,901	58,667	208	760	1	5	2			
Grundy.....	2,166	51,475	21	360			35	750	15	210
Hamilton.....	2,083	31,994	82				1		2	1,304
Hancock.....	6,336	110,187	58	26	4	15				
Hardin.....	745	67	116		4		450	66,641	20	811
Henderson.....	1,483	18,548	2				3	95		
Henry.....	4,071	52,558	7	8	7		4	1,150	1	143
Iroquois.....	4,964	54,438	31	1	5	10	7	478	16	1,053
Jack4on.....	3,169	72,971	635	730	33	160	20	141	11	5,224
Jasper.....	1,272	40,763	27				55	883	18	9,20
Jefferson.....	3,052	70,670	74	100			3	678		8
Jersey.....	2,149	80,842	22	255	4	140	6	300	7	2,19
JoDavieess...	1,879	29,361					53	9,302	1	27
Johnson.....	1,521	13,014	293	270			118	5,863	2	27
Kane.....	2,709	24,880							1	1,19
Kankakee.....	1,861	26,967	4							45
Kendall.....	3,880	31,011	5	50			28	258	2	47
Knox.....	5,325	67,925	2				6	230		15
Lake.....	2,902	26,343	2	26	1	7	17	30	6	3,46
LaSalle.....	6,433	85,433	1	16			4	503		23
Lawrence.....	2,305	56,628	67	170	1	10	19	3,502	48	3,86
							10	70	7	14

Agricultural Statistics, 1879—Continued.

Counties.	APPLE ORCH-ARDS.		PEACH ORCH-ARDS.		PEAR ORCH-ARDS.		VINEYARDS.		FRUITS & BER-ries not includ-ed in orchards.	
	Acres	Bushels produced	Acres	Bushels produced	Acres	Bushels produced	Acres	Gallons wine made.	Acres	Value of crop produced
Lee.....										
Livingston ..	4,574	76,474	8	50		12	28	2,349	19	1,635
Logan.....	2,081	37,647	24	90	2	50	14	196	13	1,080
Macon.....	2,936	77,319	40	55	8	14	11	1,217	8	650
Macoupin....	5,365	292,915	57	648	27	329	25	2,204	27	294
Madison.....	6,582	254,298	112	2,393	38	655	160	25,700		
Marion.....	3,441	148,191	132	20	1		9	8	50	5,960
Marshall....	2,549	55,275	5		6		9	300	17	1,000
Mason.....										
Massac.....	1,371	2,342	84	4	6		1			
McDonough..	2,521	27,813					54	2,819	49	460
McHenry.....	3,338	25,588	1	20	1	4	34	1,306	65	2,553
McLean.....	7,322	123,368	24	394	10	35	60	3,542	58	2,763
Menard.....	1,655	38,251	7	30	3	50	26	2,130	30	340
Mercer.....	3,773	44,144	8	27	1		16	69	19	695
Monroe....	1,375	35,108	5	270			110	17,867		
Montgomery..	4,604	182,230	113	248	8	126	15	1,221	5	262
Morgan.....	3,668	183,400	81	1,000	3	92	12	2,800	50	1,000
Moultrie....	2,140	53,261	61	75	1	7	4	90	1	13,256
Ogle.....	2,972	52,803					6	354	2	140
Peoria.....	3,136	55,079	7	61	2	12	83	5,543	33	2,644
Perry.....	658	26,789	27	100	22	155	5	1,000		50
Piatt.....	2,126	56,766	42	487	4	44	33	812	20	757
Pike.....	4,349	78,228	32	180	4	20	84	5,792	52	75
Pope.....	1,708	9,326	569	2,590	29	80	11	565		300
Pulaski.....	1,445	100,000	200		200		200	40,000	200	30,000
Putnam.....	1,105	12,569	1				1	430	1	
Randolph....	2,694	89,496	143	779	1	84	38	4,022	5	155
Richland....	2,478	61,858	14		1	3			15	108
Rock Island..	3,056	57,949	2	60	3	58	60	1,618	26	2,333
Saline.....	981	5,650	54		1		4	300		
Sangamon....	4,124	139,023	96	182	4	15	36	2,300	42	689
Schuyler....	2,475	19,161	30				2	80	6	90
Scott.....	760	21,706	14	780			82	870		
Shelby.....	3,404	116,807	148	27		15	21	5,105	5	218
Stark.....	1,397	24,139	12	310			4	120	11	334
St. Clair....	5,351	139,036	12	360	4	180	170	47,790	1	320
Stephenson..	2,934	17,479		7			8	405	24	650
Tazewell....	3,463	67,093	28				41	3,230	70	2,922
Union.....	3,064	37,482	723	2,140	96	2,756	20	20	592	20,811
Vermilion...	3,805	120,697	21	100	7	60	5	611	55	12,632
Wabash.....	1,599	29,940							50	1,000
Warren.....	2,714	27,370	12		1		13	108	1	21
Washington..	2,244	66,761	19	476	2	50	8	480	44	654
Wayne.....	3,057	45,334	64	25	1		1		1	14
White.....	2,332	25,553	151	50	1	36				
Whiteside...	3,734	55,527	21	537	3	98	2	4,555	14	1,248
Will.....	5,366	80,565	6	145			13	9,300	4	45
Williamson...	2,015	50,573	68	1,675	1	50			2	35
Winnebago...	2,667	34,807					1		106	7,297
Woodford....	3,010	87,539	4	50			70	7,624	5	355
Total.....	281030	5,958,690	5,912	25,749	641	6,134	2,899	326,323	3,111	185,488

Agricultural Statistics, 1879—Continued.

Counties.	TIMOTHY SEED.	CLOVER SEED.	HUNGA- RIAN & MIL- LET SEED.	COTTON SEED.	FLAX SEED	GRAPES.
	Bushels produced.	Bushels produced.	Bushels produced.	Bushels produced.	Bushels produced.	Pounds produced.
Adams.....	555	782				91,490
Alexander.....						
Bond.....						
Boone.....	1,615	6,795	64		12,842	1,536
Brown.....	82	852				40,170
Bureau.....	1,612	901	167		397	11,533
Calhoun.....						38,880
Carroll.....	989	5,537	160		1,002	6,581
Cass.....						12,000
Champaign.....	2,789	122	626		101,405	86,221
Christian.....	836	40	8		11,835	47,343
Clark.....	613	536	4		100	12,172
Clay.....	586	1,974	120	20	14,126	2,735
Clinton.....	35					2,500
Colles.....	911	506	1,618			19,165
Cook.....	485	18	1,215		120,832	67,500
Crawford.....	140	88				1,533
Cumberland.....	939				217	17,140
DeKalb.....	16,806	7,834	436		70,780	1,822
DeWitt.....	624	213	48		120	68,910
Douglas.....	2,744	246	837		1,582	23,645
DuPage.....	1,135	704	235		54,902	38,170
Edgar.....	4,318	312			947	20,733
Edwards.....	5,259	58	5			4,000
Effingham.....	552		362		1,299	2,721
Fayette.....	248	219	382		1,482	12,889
Ford.....	6,941	178	1,138		237,439	8,485
Franklin.....		18			1,480	40
Fulton.....	1,442	5,379				107,197
Gallatin.....	4	149	5			
Greene.....	38	365				15,600
Grundy.....	7,812	84	1,371		9,853	6,530
Hamilton.....					180	
Hancock.....	565	83	1			364,842
Hardin.....		6				
Henderson.....	154	6	25			20,030
Henry.....	1,103	1,114	290			40,802
Iroquois.....	17,246	86	6,663		302,845	118,809
Jackson.....	25	478	38			21,935
Jasper.....	4,605	1	18		9,167	2,705
Jefferson.....	327			1	1,548	1,750
Jersey.....	107	177				51,360
JoDavies.....	1,324	5,715	652		15,898	2,435
Johnson.....		647				600
Kane.....	5,563	2,243	777	200	9,156	2,275
Kankakee.....	6,240	1,169	2,838		78,122	30,991
Kendall.....	9,684	2,115	294		336	15,690
Knox.....	2,130	1,272	83			68,495
Lake.....	1,734	1,734	183		81,731	18,713
LaSalle.....	14,054	1,169	1,177		6,950	17,851
Lawrence.....	273	420	8			4,840

Agricultural Statistics, 1879—Continued.

Counties.	TIMOTHY SEED.	CLOVER SEED.	HUNGA- RIAN & MIL- LET SEED.	COTTON SEED.	FLAX SEED	GRAPES.
	Bushels produced.	Bushels produced.	Bushels produced.	Bushels produced.	Bushels produced.	Pounds produced.
Lee.....						
Livingston.....	13,178	709	5,680		185,315	73,189
Logan.....	194	53				21,503
Macon.....	1,702	458	150		10,567	58,898
Macoupin.....	477	527	167			32,030
Madison.....			59		13,625	119,357
Marion.....	9,424	1	60	24	8,799	1,830
Marshall.....	713	646	150		312	18,750
Mason.....						
Massac.....						154
McDonough.....	1,114	1,532				33,105
McHenry.....	5,653	11,886	762		22,963	82,935
McLean.....	3,336	1,761	402		36,273	187,125
Menard.....	10					51,086
Mercer.....	1,638	317				35,925
Monroe.....		240	33			770
Montgomery.....	163	10	195		1,038	14,065
Morgan.....	1,276	92				16,128
Moultrie.....	411	225	249		5,003	20,440
Ogle.....	9,543	20,029	700		9,627	5,808
Peoria.....	687	4,282	25			144,041
Perry.....						150
Platt.....	558	253	581		57,442	78,940
Pike.....	31	1,206				85,835
Pope.....						1,500
Pulaski.....		80				60,000
Putnam.....	223		268			
Randolph.....	8	967	60		50	25,866
Richland.....	13,613	109			3,361	5,368
Rock Island.....	136	147				16,440
Saline.....	10	16				1,600
Sangamon.....	377	80			47	54,042
Schuyler.....	727	2,872			5	3,731
Scott.....						85,050
Shelby.....	561	112	532		1,442	22,318
Stark.....	840	223	5		6	1,569
St. Clair.....		106				2,650
Stephenson.....	1,269	12,607	209		14,781	5,348
Tazewell.....	173	3,929	151			55,740
Union.....						
Vermilion.....	2,277	207	482		72,162	41,584
Wabash.....	695	1,087				325
Warren.....	623	157				22,995
Washington.....	50		15	1	425	2,825
Wayne.....	5,232	93			2,039	511
White.....	42	1,464				700
Whiteside.....	1,239	3,343	196			19,600
Will.....	4,513	4,871	10,545		26,887	2,907
Williamson.....		496	65			100
Winnebago.....	661	5,574	66		305	13,135
Woodford.....	2,709	3,681	28			103,680
Total.....	213,329	138,191	43,776	246	1,621,043	3,184,952

Agricultural Statistics, 1879—Continued.

Counties.	UNCULTIVATED ACREAGE.					
	Pastures.....	Woodland	Uncultivated land.	Area city and town real estate.....	Acres not included elsewhere	Total number of acres reported for county
Adams	44,366	78,949	37,874	1,664		379,360
Alexander	112					19,994
Bond						
Boone	41,423	19,819	11,452	640		153,932
Brown	24,422	37,739	27,786	890		162,774
Bureau	107,813	17,491	29,668	5,495		450,347
Calhoun	2,909	56,735	5,201			103,039
Carroll	56,305	12,947	19,373	11,350		244,242
Cass	15,853	30,311	10,567			138,911
Champaign	85,040	11,968	44,447	4,791	149,012	631,883
Christian	53,226	24,073	22,601	15,601		373,177
Clark	22,284	67,274	45,869	222		247,811
Clay	13,587	33,939	12,464	35		151,661
Clinton	26,679	41,987	28,511	518		252,751
Coles	37,827	21,508	11,260	1,295		207,736
Cook	85,155	14,757	11,342	6,447		363,396
Crawford	26,142	57,115	4,301			184,565
Cumberland	22,277	46,018	65,022	555		212,401
DeKalb	111,104	14,146	10,514	3,717		399,350
DeWitt	33,923	19,448	15,038	1,202		189,870
Douglas	50,557	11,139	9,925	2,880	70,000	190,959
DuPage	47,025	12,208	19,731	9,669		207,040
Edgar	106,497	71,532	24,507	13,731		414,193
Edwards	6,720	31,792	47,577	940		141,525
Effingham	19,178	29,578	25,160	4,366		190,125
Fayette	20,730	51,466	34,777	4,340		240,328
Ford	28,545	2,947	36,365		40,655	304,759
Franklin	2,039	8,857	2,354	69		70,355
Fulton	1,225	81,330	113,457	2,501		407,100
Gallatin	2,771	24,500	90,783			170,472
Greene	46,572	41,300	19,821			230,896
Grundy	54,143	4,028	11,741	305		208,531
Hamilton	2,960	166,383	3,877	890		238,753
Hancock	53,296	34,593	16,713	1,957		344,515
Hardin	2,422	18,165	24,536			64,914
Henderson	48,053	34,206	47,337	763		238,618
Henry	97,011	10,472	12,110	229		412,784
Iroquois	93,089	12,573	39,808		170,026	705,315
Jackson	4,850	14,300	56,163	1,638		169,279
Jasper	10,054	48,217	16,395			148,896
Jefferson	17,670	85,684	37,723	7,996		255,153
Jersey	22,879	31,084	29,951	92		182,100
Jo Daviess	53,138	56,703	52,062	782	69,235	377,451
Johnson	4,136	82,480	8,361	191		142,229
Kane	79,083	22,782	3,878	1,149		250,315
Kankakee	58,085	5,337	17,744	564		299,914
Kendall	51,121	11,681	1,998	3,021		198,907
Knox	139,263	23,468	27,806	2,784		444,541
Lake	51,862	26,234	8,612	1,481		192,659
LaSalle	104,331	43,443	14,182	6,468		579,210
Lawrence	12,420	40,835	15,350	1,285		155,777

Agricultural Statistics, 1879—Continued.

Counties.	UNCULTIVATED ACREAGE.					Total number of acres reported for county
	Pastures	Woodland	Uncultivated land.	Area city and town real estate.....	Acres not included elsewhere.....	
Lee.....						561,278
Livingston.....	74,464	9,964	24,425	24,780		288,553
Logan.....	49,865	17,785	12,353	3,559		244,128
Macon.....	46,835	8,988	9,540	72		376,922
Macoupin.....	29,126	62,636	26,652	2,076		346,557
Madison.....	29,596	37,405	29,920			211,044
Marion.....	23,632	53,626	18,333	7,036		187,676
Marshall.....	33,694	13,305	10,962	4,447		
Mason.....						78,515
Massac.....	2,404	18,810	16,059			208,306
McDonough.....	19,062	3,912	2,826	2,088		373,099
McHenry.....	118,965	38,374	15,825	13,541	13,191	740,200
McLean.....	142,033	28,066	56,736	8,251	82,431	164,718
Menard.....	38,009	22,781	9,649	128		247,218
Mercer.....	75,984	27,377	27,486	2,743	41,982	143,805
Monroe.....	5,508	49,230	5,270			442,424
Montgomery.....	60,014	48,676	41,219	5,008	37,606	357,539
Morgan.....	89,439	61,992		4,187		146,979
Moultrie.....	34,400	9,481	8,247	48		375,729
Ogle.....	70,525	27,249	10,172	20,687		298,307
Peoria.....	54,916	28,855	9,969			214,844
Perry.....	4,868	36,602	118,178	900		214,520
Piatt.....	42,121	4,720	18,788	199		511,763
Pike.....	85,800	58,274	172,723	2,630		205,673
Pope.....	8,873	145,348				112,876
Pulaski.....	700	80,994		700		106,127
Putnam.....	16,504	22,075	19,181	435		215,457
Randolph.....	9,177	65,326	9,238			175,968
Richland.....	13,253	48,972	28,218	745		265,278
Rock Island.....	47,164	25,259	69,354	4,546		240,214
Saline.....	1,649	157,664	31,982			409,401
Sangamon.....	129,092	26,287	10,387	1,046		215,650
Schuyler.....	22,467	67,443	12,436	20,219		104,852
Scott.....	17,333	10,503	15,485	1,096		279,022
Shelby.....	50,197	30,148	17,751			146,166
Stark.....	32,644	7,301	2,666	280		265,923
St. Clair.....	13,642	43,670	6,181	9		280,400
Stephenson.....	49,070	23,360	9,868	733		311,227
Tazewell.....	44,424	42,454	17,734	663		108,921
Union.....	4,796	49,999	4,040	123		414,994
Vermillion.....	107,781	24,576	25,874	503		98,506
Wabash.....	4,733	36,031	6,103			307,697
Warren.....	79,680	18,625	13,410	1,988		193,580
Washington.....	13,578	33,005	6,635	2		259,634
Wayne.....	26,838	88,564	31,355	85		313,525
White.....	8,916	152,269	31,973	1,634		429,850
Whiteside.....	77,609	10,028	23,509		108,172	436,406
Will.....	110,577	16,069	13,058			91,828
Williamson.....	3,581	26,804	4,744			271,232
Winnebago.....	63,941	19,273	11,496	6,840		309,298
Woodford.....	46,014	32,884	28,624	3,516		
Total.....	4,242,713	3,708,567	2,380,228	272,127	782,310	26,454,053

Agricultural Statistics, 1879—Continued.

Counties.	FAT SHEEP SOLD.		SHEEP KILLED BY DOGS.		WOOL. Number pounds shorn.
	Number.	Gross weight pounds.	Number.	Value.	
Adams ..	3,893	799,128	468	\$1,430	60,519
Alexander.....	120	10,161	65	110	1,761
Bond ..	1,401	125,866	283	1,128	82,015
Boone.....	1,227	110,552	170	819	29,954
Brown ..	1,675	169,850	130	552	42,268
Bureau.....	58	5,340	72	139	3,354
Calhoun.....	507	45,760	18	56	18,302
Cass.....	234	25,465	95	398	7,589
Champaign.....	2,189	356,679	174	457	43,787
Christian ..	1,508	160,156	160	546	40,575
Clark.....	1,728	135,506	392	902	33,528
Clay.....	2,614	106,340	403	1,275	27,706
Clinton.....	1,615	146,048	332	623	33,250
Coles.....	5,286	254,086	212	544	30,816
Cook.....	549	46,923	401	346	15,681
Crawford.....	3,298	224,264	186	238	39,740
Cumberland.....	820	57,856	208	408	15,669
DeKalb.....	1,375	138,374	343	1,157	56,393
DeWitt.....	3,184	294,113	151	464	43,156
Douglas.....	1,693	182,794	90	270	21,870
DuPage.....	7,310	707,185	218	2,695	65,183
Edgar.....	4,945	408,182	595	131	58,418
Edwards.....	1,033	81,625	236	618	42,246
Effingham.....	691	52,718	344	723	16,055
Fayette.....	2,238	222,382	612	1,433	40,597
Ford.....	169	20,650	30	113	4,114
Franklin.....	682	58,785	273	574	6,932
Fulton.....	4,406	363,430	688	1,882	97,936
Gallatin.....	481	29,995	342	48,967	7,051
Greene.....	5,036	553,556	482	1,425	75,358
Grundy.....	283	18,932	39	80	14,727
Hamilton.....	1,312	116,615	371	493	17,432
Hancock.....	821	67,193	207	601	17,640
Hardin.....	497	35,238	124	223	3,989
Henderson.....	257	14,640	38	107	6,849
Henry.....	756	89,319	126	348	29,669
Iroquois.....	818	67,937	207	487	27,723
Jackson.....	546	43,980	302	503	9,513
Jasper.....	1,410	68,552	611	2,704	20,796
Jefferson.....	1,761	158,490	677	1,523	24,461
Jersey.....	895	69,792	113	1,376	30,470
JoDavies.....	1,452	149,034	277	836	43,034
Johnson.....	305	27,170	227	514	7,547
Kane.....	2,514	1,803,134	185	512	64,510
Kankakee.....	1,840	122,276	84	252	11,273
Kendall.....	1,879	205,514	158	709	49,386
Knox.....	4,288	487,436	382	1,271	68,373
Lake.....	7,142	517,113	603	1,834	317,371
LaSalle.....	2,927	324,004	1,259	1,260	77,886
Lawrence.....	1,251	124,492	305	1,096	28,425

Agricultural Statistics, 1879—Continued.

Counties.	FAT SHEEP SOLD.		SHEEP KILLED BY DOGS.		WOOL.
	Number.	Gross weight pounds.	Number.	Value.	Number pounds shorn.
Lee	856	70,299	68	335	19,809
Livingston	1,140	108,385	83	361	34,630
Logan	1,293	128,744	52	195	36,618
Macon	5,078	438,650	964	3,374	123,430
Macoupin	2,498	220,004	376	1,163	41,863
Madison	2,708	210,979	684	1,357	38,676
Marion	814	78,280	196	564	31,442
Marshall	291	25,292	118	225	3,212
Mason	2,620	7,336	144	197	22,668
Massac	9,943	770,689	441	1,055	219,231
McDonough	4,651	447,538	436	1,476	108,208
McHenry	1,551	119,018	140	279	52,596
McLean	767	84,129	124	474	29,497
Menard	169	1,160	53	136	4,510
Mercer	2,233	229,805	565	1,340	56,534
Monroe	2,534	228,060	325	975	57,246
Montgomery	642	71,530	103	213	13,562
Morgan	1,707	118,493	186	683	60,888
Moultrie	1,184	107,881	357	1,053	34,278
Ogle	282	23,390	156	381	6,598
Peoria	3,056	27,590	88	295	9,731
Perry	2,429	168,069	569	1,428	56,062
Piatt	996	84,898	384	741	20,714
Pike	700	70,000	20	50	8,500
Pope	500	49,670	32	109	14,663
Pulaski	2,242	219,111	325	93,900	37,296
Putnam	928	77,024	324	707	25,683
Randolph	267	27,025	76	266	10,704
Richland	1,463	.....	218	.....	16,843
Rock Island	6,294	490,164	953	2,362	100,962
Saline	1,366	126,705	421	1,147	23,178
Sangamon	1,986	233,045	96	406	48,288
Schuyler	2,256	.....	412	.....	49,051
Scott	2,742	278,080	91	495	51,290
Shelby	1,679	124,015	140	382	21,304
Stark	2,430	240,265	265	926	52,956
St. Clair	1,953	209,014	241	.....	43,837
Stephenson	815	49,543	161	252	7,386
Tazewell	3,965	330,120	641	1,854	118,763
Union	768	66,526	73	163	15,974
Vermilion	2,865	235,900	280	735	37,272
Wabash	790	62,939	381	860	13,596
Warren	2,489	212,444	717	1,369	35,183
Washington	1,127	105,545	315	672	20,239
Wayne	760	80,286	135	419	32,751
White	1,489	139,810	229	645	32,432
Whiteside	2,509	227,678	487	915	15,641
Will	1,755	152,356	433	1,773	78,350
Williamson	904	89,247	118	406	17,576
Winnebago .....	.....	.....	.....	.....	.....
Woodford .....	.....	.....	.....	.....	.....
Total	191,898	18,071,371	28,664	215,395	3,944,558

Agricultural Statistics, 1879—Continued.

Counties.	DAIRY.					FAT CATTLE.	
	Cows, No. kept.	Butter, No. lbs. sold.	Cheese, No. lbs. sold.	Cream, No. gallons sold.	Milk, No. gals. sold.	No. sold.	Gross weight.
Adams.....	6,853	179,797	4,895	3,150	22,876	4,358	4,124,589
Alexander.....	449	2,620	.....	21	36	770	353,970
Bond.....	.....	.....	.....	.....	.....	.....	.....
Boone.....	9,160	368,989	258,900	.....	936,936	3,170	2,349,341
Brown.....	3,042	53,217	370	80	5,630	2,362	2,454,530
Bureau.....	10,196	269,684	47,063	.....	23,750	11,697	11,710,455
Calhoun.....	1,327	6,665	.....	.....	.....	632	393,475
Carroll.....	8,024	403,533	103,266	19,959	260,314	5,311	5,985,603
Cass.....	1,497	20,097	.....	.....	.....	4,280	5,207,507
Champaign.....	6,984	208,217	28,580	323	13,894	7,806	8,712,841
Christian.....	5,275	134,768	405	.....	12,592	7,770	8,299,928
Clark.....	3,707	76,968	.....	.....	.....	1,815	1,597,626
Clay.....	2,378	76,993	50	.....	110	1,206	889,607
Clinton.....	3,536	96,571	800	42	63,180	1,631	1,183,430
Coles.....	4,243	106,392	200	.....	7,330	6,426	4,315,944
Cook.....	21,715	649,822	127,750	1,138	5,007,253	2,746	2,230,440
Crawford.....	2,648	51,438	200	13	100	1,829	1,437,594
Cumberland.....	2,567	40,833	.....	150	.....	998	908,091
DeKalb.....	19,971	1,651,234	413,622	3,114	427,279	7,874	7,346,987
DeWitt.....	3,597	94,444	300	183	16,691	4,492	5,078,556
Douglas.....	2,355	46,790	100	10	125	5,310	6,539,210
DuPage.....	13,625	553,288	712,008	36	5,344,836	3,392	3,167,952
Edgar.....	4,252	125,260	50	181	13,545	31,449	12,240,525
Edwards.....	2,099	20,555	.....	.....	200	534	424,737
Effingham.....	3,862	64,097	520	160	5,250	1,568	917,837
Fayette.....	4,296	98,054	7,050	.....	29,549	1,489	909,375
Ford.....	3,534	124,871	11,375	.....	5,735	2,021	1,887,250
Franklin.....	938	4,674	.....	.....	.....	568	355,693
Fulton.....	9,267	227,340	1,800	3,570	11,120	9,871	9,444,749
Gallatin.....	1,384	12,440	.....	.....	100	864	554,015
Greene.....	3,581	88,849	520	1,050	390	7,963	9,322,755
Grundy.....	5,591	218,063	51,350	35	32,412	3,794	3,176,385
Hamilton.....	2,423	8,290	.....	.....	.....	1,086	825,869
Hancock.....	6,361	222,181	5,792	565	1,766	8,635	9,903,368
Hardin.....	639	5,720	.....	50	601	914	260,600
Henderson.....	3,667	37,370	500	.....	225	5,512	6,576,715
Henry.....	11,948	696,614	96,300	8,103	20,145	9,306	10,948,028
Iroquois.....	10,930	454,173	11,550	.....	187,103	6,998	7,953,500
Jackson.....	2,820	61,119	.....	5,365	.....	1,693	852,287
Jasper.....	2,508	30,840	.....	.....	.....	3,576	1,796,678
Jefferson.....	2,716	43,837	290	10	1,875	1,592	1,117,584
Jersey.....	2,422	51,601	.....	925	20,240	1,232	1,126,405
JoDavies.....	10,005	489,912	11,250	748	18,880	5,518	5,569,346
Johnson.....	1,645	3,937	.....	.....	.....	1,051	679,842
Kane.....	25,091	3,476,622	1,737,140	8,495	72,811,519	6,990	7,466,095
Kankakee.....	8,395	569,944	17,500	2,700	292,051	4,284	5,001,563
Kendall.....	5,374	485,861	62,280	.....	531,027	4,206	4,472,483
Knox.....	9,455	286,581	271,783	619	552,633	9,983	11,281,544
Lake.....	12,671	715,617	271,351	38	611,247	1,615	1,736,131
LaSalle.....	15,203	609,655	157,255	1,278	409,144	12,909	14,994,954
Lawrence.....	2,740	58,250	56	.....	4	1,785	1,210,524

Agricultural Statistics, 1879—Continued.

Counties.	DAIRY.					FAT CATTLE.	
	Cows, No. kept.	Butter, No. lbs. sold.	Cheese, No. lbs. sold.	Cream, No. gals. sold.	Milk, No. gals. sold.	No. sold.	Gross weight.
Lee.....							
Livingston.....	10,650	405,702	6,510	30	22,220	5,958	6,046,409
Logan.....	3,717	116,373	4,500	285	13,300	4,864	7,643,741
Macon.....	3,594	123,468			325	5,272	5,731,479
Macoupin.....	8,055	147,092	5,700	1,460	336,846	7,035	7,661,200
Madison.....	6,483	184,347	26,730	75	356,612	2,302	1,930,967
Marion.....	3,240	64,252	8,500		28,260	1,788	1,283,760
Marshall.....	3,744	130,187	32,500	200	11,017	3,960	4,024,293
Mason.....							
Massac.....	1,538	24,316			70	593	224,080
McDonough.....	5,076	175,014	1,420	51	46,712	5,418	58,643
McHenry.....	21,862	1,198,779	1,427,156	8,120	3,433,741	5,643	5,181,903
McLean.....	10,996	321,984	2,890	1,412	80,970	13,681	17,927,040
Menard.....	2,026	44,168	50	33	9,032	5,672	7,861,618
Mercer.....	5,991	134,729	800		59,316	6,945	8,237,363
Monroe.....	1,967	34,950	1,069		100	403	236,797
Montgomery.....	6,135	166,221	500	100	98,420	3,729	3,372,190
Morgan.....	2,786	97,123		22,396	222,104	8,987	11,683,100
Moultrie.....	2,471	47,683	3,840			2,203	2,439,233
Ogle.....	14,924	875,083	50,120	13,916	340,183	8,946	9,396,740
Peoria.....	8,704	319,293	39,794	58,713	162,284	5,246	5,026,858
Perry.....	1,016	27,252	950		300	439	296,215
Piatt.....	2,564	49,446	500	1,050	9,152	3,526	4,407,162
Pike.....	3,897	73,974	100	210	19,303	4,362	4,186,980
Pope.....	1,537	18,397	71			1,017	540,521
Pulaski.....	3,000	60,000				2,000	140,000
Putnam.....	1,540	39,874				2,464	2,885,790
Randolph.....	3,542	68,941	5,515		1,542	2,120	1,197,197
Richland.....	3,328	52,487	6,279	210	5,713	1,780	1,080,460
Rock Island.....	6,590	302,940	650	1,460	141,762	4,980	5,347,777
Saline.....	1,719	13,449			138	1,215	
Sangamon.....	7,138	219,950	256,807	48,030	85,291	20,029	23,491,489
Schuyler.....	4,173	69,387	150		19	3,031	3,246,862
Scott.....	1,714	52,120			1,892	3,399	4,422,670
Shelby.....	5,048	94,091	20		875	4,254	
Stark.....	3,396	103,273	10,500		60,230	4,190	4,037,215
St. Clair.....	4,943	212,612	9,475	100	51,186	1,335	1,159,030
Stephenson.....	2,972	804,971	3,711	4,173	69,585	3,880	4,209,978
Tazewell.....	6,417	192,183	1,535	270	106,124	4,356	4,771,996
Union.....	1,861	28,679		200	6,500	1,096	581,189
Vermilion.....	5,283	154,800	19,520		34,290	11,612	14,242,273
Wabash.....	878	13,377				1,013	623,105
Warren.....	5,664	153,614	47,154	287	12,760	12,873	14,206,038
Washington.....	3,846	54,082	230	75	4,150	898	555,581
Wayne.....	3,429	28,467	700		10	2,227	1,495,100
White.....	2,467	20,659			75	1,852	1,112,222
Whiteside.....	13,099	905,501	68,577	5,242	75,064	6,561	6,972,835
Will.....	19,547	1,266,540	123,187	91	2,269,747	7,512	9,458,670
Williamson.....	1,480	15,546				1,032	555,981
Winnebago.....	11,183	795,020	40,081	200	796,887	4,603	5,551,313
Woodford.....	5,412	161,127	1,200		6,055	4,145	4,420,889
Total.....	571,628	25,028,225	6,618,212	230,497	96,659,854	457,331	448,463,450

Agricultural Statistics, 1879—Continued.

Counties.	FAT HOGS SOLD.		HOGS AND PIGS DIED OF CHOLERA.		HORSES.	
	Number.	Gross weight.	Number.	Gross weight.	Number colts foaled.	Number died (any age).
Adams	56,094	12,246,531	16,475	1,053,157		
Alexander.....	549	182,177	2,012	115,802		
Bond						
Boone.	20,288	4,643,553	356	30,045	360	140
Brown.	15,865	4,226,032	4,535	283,561	415	194
Bureau.....	88,081	25,868,608	14,717	1,378,048	1,763	629
Calhoun.....	3,660	917,364	1,293	13,980	141	114
Carroll.....	32,954	1,026,828	7,321	665,862		
Cass.....	9,618	2,469,389	3,938	285,600	291	169
Champaign.....	49,299	11,370,811	13,154	845,971	1,289	971
Christian.....	38,941	8,460,227	10,950	709,536	1,013	473
Clark.	11,119	2,443,724	4,878	288,770	373	248
Clay.....	5,173	1,261,105	1,174	83,425		
Clinton	11,318	2,545,093	1,573	111,765	324	232
Coles.....	27,332	4,646,529	8,648	575,481		
Cook.....	17,417	2,910,070	512	46,400		
Crawford.....	11,108	2,443,760	2,257	135,420	336	212
Cumberl'd.....	5,200	1,173,807	1,791	125,739	191	278
DeKalb.....	53,531	12,563,755	9,956	927,905	1,260	412
DeWitt.....	27,578	6,382,642	10,102	739,853	620	381
Douglas.....	20,120	4,368,279	9,559	908,984	247	186
DuPage.....	18,919	4,488,143	1,053	11,984	550	228
Edgar.....	32,972	9,950,109	11,261	915,455	459	276
Edwards.....	9,262	2,249,727	2,277	162,552	186	132
Effingham.....	5,842	1,301,675	2,453	159,057	329	350
Fayette.....	11,592	2,475,178	3,654	200,979	470	342
Ford.....	22,513	5,521,944	3,465	226,436		
Franklin.....	2,799	568,130	1,514	89,525	168	125
Fulton.....	66,993	15,318,213	19,326	1,336,452	1,442	547
Gallatin.....	4,118	831,045	2,902	150,265		
Greene.....	28,656	6,887,468	8,968	612,205		
Grundy.....	23,212	6,380,036	2,431	99,940	509	233
Hamilton.....	2,881	683,108	2,285	161,335		
Hancock.....	47,520	14,908,284	9,938	722,995		
Hardin.....	3,327	654,184	689	49,410	72	56
Henderson.....	22,007	6,175,343	9,496	566,610	556	243
Henry.....	89,260	24,894,178	16,335	1,344,201	1,686	509
Iroquois.....	55,146	13,342,600	9,897	716,500	1,446	1,110
Jackson.....	2,965	595,449	2,311	175,210	317	236
Jasper.....	4,578	819,773	2,404	132,552	269	390
Jefferson.....	7,191	1,531,683	3,653	215,527		
Jersey.....	14,313	3,459,501	1,373	127,265		
JoDavies.....	46,873	10,050,298	19,431	1,269,087	695	279
Johnson.....	14,025	7,799,680	454	30,120	243	132
Kane.....	29,469	83,485,314	2,013	176,285	611	231
Kankakee.....	31,874	5,108,293	1,688	215,355	738	361
Kendall.....	25,445	8,130,812	1,793	77,515	494	177
Knox.....	55,549	16,267,344	24,945	3,420,000	1,693	531
Lake.....	14,614	3,843,177	249	17,171	83	13
LaSalle.....	69,886	20,670,942	11,112	1,880,036	435	723
Lawrence.....	7,664	1,636,059	4,214	251,619	307	251

Agricultural Statistics, 1879—Continued.

Counties.	FAT HOGS SOLD.		HOGS AND PIGS DIED OF CHOLERA.		HORSES.	
	Number.	Gross weight.	Number.	Gross weight.	Number colts foaled.	Number died (any age).
Lee.....						
Livingston.....	68,778	17,705,336	5,876	517,615	1,501	815
Logan.....	37,101	12,523,191	6,576	1,256,937	751	405
Macon.....	34,471	7,384,118	4,433	302,814	819	405
Macoupin.....	39,990	9,733,859	8,730	597,489	666	255
Madison.....	21,267	4,964,723	3,435	287,478	500	200
Marion.....	7,168	1,359,103	1,504	92,580	414	310
Marshall.....	31,220	7,965,472	3,560	239,730	660	217
Mason.....						
Massac.....	1,476	325,978	577	39,358	98	80
McDonough.....	36,774	3,419,982	13,608	217,728		
McHenry.....	37,206	8,486,131	1,605	92,076	789	188
McLean.....	86,151	21,454,709	17,233	1,239,834	2,203	916
Menard.....	19,892	4,441,029	8,291	550,170	396	189
Mercer.....	44,882	13,213,915	27,012	1,918,014	1,360	440
Monroe.....	1,264	292,360	518	42,840	142	161
Montgomery.....	22,507	5,216,117	3,621	220,115	751	419
Morgan.....	21,736	5,971,280	7,236	868,320	450	150
Moultrie.....	14,815	2,920,692	5,570	308,311		
Ogle.....	45,360	12,432,914	15,635	1,077,096	1,314	461
Peoria.....	48,480	13,123,615	17,604	1,295,114	966	434
Perry.....	758	160,095	1,038	84,690	123	81
Piatt.....	30,336	5,826,521	13,843	697,157	419	265
Pike.....	39,374	9,664,470	7,807	473,065	80	39
Pope.....	2,983	764,695	1,102	90,682	264	134
Pulaski.....	3,000	700,000	500	37,500	300	30
Putnam.....	13,189	4,025,954	4,614	234,935	296	104
Randolph.....	4,186	932,164	2,509	177,044	392	259
Richland.....	5,789	1,377,782	1,316	109,228		
Rock Island.....	31,283	9,323,880	10,283	660,570	545	205
Saline.....	5,059		1,343		212	156
Sangamon.....	51,929	13,305,918	18,039	1,196,109	1,323	694
Schuyler.....	19,748	5,077,942	5,848	334,450	586	220
Scott.....	15,615	4,196,264	3,065	222,960		
Shelby.....	25,866		5,669			
Stark.....	28,642	7,814,202	8,627	544,245	544	226
St. Clair.....	5,753	1,443,655	1,761	133,700	364	291
Stephenson.....	43,153	10,764,977	25,652	1,811,748	944	405
Tazewell.....	33,594	8,508,902	13,030	966,157		
Union.....	1,971	374,178	1,174	71,970	244	123
Vermilion.....	49,483	10,669,980	10,944	778,798	1,085	735
Wabash.....	6,366	1,821,019	5,706	237,246	124	124
Warren.....	47,174	13,890,007	20,909	1,220,959	1,464	482
Washington.....	3,039	617,975	1,860	169,484	470	315
Wayne.....	9,714	2,129,926	3,159	171,502	506	316
White.....	10,509	2,377,896	9,778	545,042	346	289
Whiteside.....	47,684	12,852,480	15,724	1,193,416		
Will.....	36,938	9,416,725	2,784	95,440	1,208	407
Williamson.....	2,651	525,746	2,610	194,605	314	169
Winnebago.....	33,667	9,687,716	5,706	421,186	647	292
Woodford.....	36,512	9,234,745	8,879	535,638	986	347
Total.....	2,543,278	702,102,812	676,738	49,326,591	49,952	24,877

CIRCULAR NO. 72.

ILLINOIS CROPS

FOR 1880.

ILLINOIS DEPARTMENT OF AGRICULTURE,
SPRINGFIELD, DECEMBER 31, 1880.

SEASON.

There has been much complaint of drouth, the past season in some portions of the State, which has had the effect of reducing the yield in such localities, as well as to injure the quality of some of the crops.

The Meteorological tables, published elsewhere, show that some portions of the State have had about the average rainfall, while in other sections there has been a scarcity of water, which has necessitated the sale, at great sacrifice, of live stock that were not in condition for market.

The annual rainfall in the three divisions of the State for the last three years, compiled from the returns made to this department, is as follows:

Year	Northern Division.	Central Division.	Southern Division.	Average.
1878.....	31.40	36.67	41.14	36.40
1879.....	32.02	25.94	41.38	33.11
1880.....	41.13	33.70	42.74	38.86
Average.....	34.85	32.10	41.75	36.12

The better distribution of the rainfall of 1879 during the growing season made the complaints of drouth less frequent than in 1880. The rainfall, as shown in the foregoing table, was 33.11 inches in 1879 and 38.86 inches in 1880, a difference in favor of the past year of over 15 per cent.

The average rainfall of the State from 1840 to 1879 is 38.22 inches, and is less than that of the year 1880 which was 39.19 inches.

The average yearly rainfall of the State from 1840 to 1847 was 41.37 inches; from 1848 to 1855 39.12 inches; from 1856 to 1863 36.04 inches; from 1864 to 1871 37.26 inches; from 1872 to 1879 35.82 inches.

It will be seen that the average annual rainfall from 1840 to 1847 of 41.37 inches is 5.55 inches less than the average annual rainfall from 1872 to 1879 of 35.82 inches, while the annual rainfall of 1880 of 39.19 exceeds the average annual rainfall from 1840 to 1879 of 38.22 inches by .97 inches.

For detailed information concerning the weather, attention is invited to the meteorological tables published elsewhere in this report as well as to the remarks of correspondents which contain detailed information of the weather and its effect on the crops in all the counties in the State.

CORN.

The yield per acre the past season is somewhat over the average for a period covering the past twenty-one years but is less than the average of 1879 by five bushels per acre.

The improved methods of farming recently adopted by many of the farmers in the corn belt have had much to do with the yield obtained this season, which is a fair average considering the protracted drouth in the central division of the State.

The largest average yields of corn are reported as grown on low and flat lands that have recently been reclaimed by drainage.

The average yield of corn per acre for the State this season is thirty-three bushels, and has been exceeded during the past twenty-one years as follows: 1862, 40 bushels; 1865, 35½ bushels; 1868, 34 bushels; 1870, 45.2 bushels; 1871, 38.3 bushels; 1872, 39.8 bushels; 1875, 34.3 bushels, and 1879, 38 bushels.

The present corn crop of 250,697,036 bushels, with the exception of the following years is the largest on record, viz: 1875, 280,000,000 bushels; 1877, 269,899,742 bushels, and 1879, 305,913,377 bushels.

The 1880 acreage of corn is 7,574,545, and is less than that of any of the preceding five years. The profits attending wheat culture of late years have increased the wheat acreage at the expense of the corn area of the State.

The quality of corn in many counties will not compare favorably with that of the previous year, owing to the dry season, and in some sections, to the injury sustained by chinch bugs.

The early cold winter weather was unfavorable for gathering the crop, and there is an unusually large proportion of the corn still in the fields, which has been damaged by snows and rains.

The average price per bushel realized for the 1880 corn crop is 33 cents, which is six cents per bushel less than the average price (39 cents) for the past twenty-one years.

CORN.

Year.	Number of acres.	Average yield per acre—bushels.....	Bushels produced.	Price per bushel—cents.....	Total value.	Value per acre.....	*Cost of production per acre.....	Total cost of production	Profit.	Loss.
1860....	3,839,159	30	115,174,770	42½	\$48,944,277	\$12 74	\$10 50	\$40,311,169	\$8,633,108	\$12,669,225
1861....	3,839,159	30	115,174,870	24	27,641,944	7 00	10 50	40,311,169	..	3,496,570
1862....	3,458,903	40	138,356,135	23	32,821,911	9 49	10 50	36,318,481	..	..
1863....	3,773,349	32	83,013,681	62	51,479,442	13 64	10 50	39,620,164	11,859,278	..
1864....	4,192,610	33	138,356,135	75	103,767,101	24 75	10 50	44,022,405	59,744,696	..
1865....	5,023,996	35¼	177,095,852	29½	51,800,536	10 31	10 50	52,751,958	..	951,422
1866....	4,931,783	31.6	155,844,350	43	67,013,070	13 58	10 50	51,783,721	15,229,349	..
1867....	4,583,655	23.8	109,091,000	68	74,281,886	16 20	10 50	48,128,377	26,153,503	..
1868....	3,923,742	34.2	134,363,000	43	57,776,090	14 70	10 50	41,251,791	16,524,299	..
1869....	5,237,068	23.2	121,500,000	57	69,255,000	13 22	10 50	54,989,214	14,265,786	..
1870....	5,720,965	35.2	201,378,000	35	70,482,300	12 32	10 50	60,070,132	10,412,168	..
1871....	5,310,469	35.3	203,391,000	32	65,085,120	12 25	10 50	55,759,924	9,325,196	..
1872....	5,468,040	39.8	217,628,000	24	52,230,720	9 53	10 50	57,414,420	..	5,183,700
1873....	6,839,714	21	143,634,000	32	45,962,880	6 72	10 50	71,816,997	..	25,854,117
1874....	7,421,055	18	133,579,000	56	74,804,240	10 08	10 50	77,921,077	..	3,116,837
1875....	8,163,265	34.3	280,000,000	34	95,200,000	11 66	10 50	85,714,232	9,485,718	..
1876....	8,920,000	25	223,000,000	31	69,130,000	7 75	10 50	93,660,000	..	24,530,000
1877....	8,935,411	30	269,889,742	25	77,562,879	8 68	10 50	93,821,815	..	16,258,936
1878....	8,672,088	29	250,560,810	22	56,035,842	6 46	10 50	91,056,924	..	35,021,082
1879....	7,918,881	38	305,913,377	32	97,483,052	12 16	10 50	83,148,250	14,334,802	..
1880....	7,574,545	33	250,697,036	33	83,757,039	11 56	10 50	79,411,857	4,345,182	..

*Estimated same as reported for 1880.

The Illinois corn crop since 1860 as shown in the foregoing table is valued at \$1,372,515,323, and the cost of producing the same \$299,234,127, which with the loss sustained on the crop for the years noted of \$127,081,829 leaves the farmers a net profit for the past twenty-one years on this single crop of nine hundred and forty-six million, one hundred and forty-nine thousand, three hundred and sixty-seven dollars, an amount which has had much to do with the development of the vast resources of the State.

The corn crop should be further credited with the profits realized from feeding the same to stock and for manufacturing purposes.

\$1,299,234,127

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WHEAT.

The present acreage (3,049,631) of Winter Wheat is the largest on record, and estimating the next spring wheat area (286,264 acres) the same as the last the total wheat area of the State for 1881, will be 3,332,895 acres.

The following table shows that the spring and winter wheat crops of the State since 1860, are valued at \$681,574,550, that the cost of producing the same is \$524,858,972, which, added to the loss on the wheat crops of 1860-61-69-74-75 and 1876, amounting to \$21,744,506, leaves a balance of profit to the credit of the wheat crop of \$134,971,072. The net profit to producers on the two leading crops (corn and wheat) grown in the State the past four years, are as follows:

Year.	CORN.		WHEAT.
	Loss.	Profit.	Profit.
1877.....	\$16,258,936	.....	\$17,136,872
1878.....	35,021,082	.....	2,533,295
1879.....	.....	\$14,334,802	14,180,104
1880.....	.....	4,345,182	11,642,610
Total.....	\$51,279,018	\$18,679,984	\$45,692,881

One-third of the total profit on the wheat crop of the State during the past twenty-one years was obtained from the last four crops.

The success attending the efforts of farmers in wheat culture of late years is largely owing to the more thorough preparation of the seed bed; care in the selection of seed; the use of improved machinery, and the benefits resulting from the extensive system of drainage which is being carried out in many counties in the State.

It will be seen from the foregoing table that the profits on the wheat crop of the State the past four years is \$45,692,881, while there was a loss on the corn crop of the State for the same period of \$32,599,034, this loss occurring in the first two years of that period, the last two years showing each year a profit.

It is claimed that the profit on corn in the production of meat and the manufacture into spirits during the last four years would largely offset the loss sustained on the corn crops of 1877 and 1878, but the figures show that the aggregate profits of late years on wheat and corn are largely in favor of wheat.

The following table gives interesting data concerning the extent and value of the wheat crop of the State during the past twenty-one years.

WHEAT (Spring and Winter).

Year.	Number of acres..	Average yield per acre—bushels....	Bushels produced.	Price per bushel...	Total value.....	Value per acre....	*Cost per acre of production.....	Total cost of production.....	Profit.....	Loss.....
1860..	2,109,471	11.3	23,837,023	85	\$20,261,169	\$9 60	\$10 55	\$22,254,919	.....	\$1,993,450
1861..	2,109,471	11.3	23,837,023	71	16,924,284	8 02	10 55	22,254,919	.....	5,330,635
1862..	2,300,964	14	32,213,500	76	24,482,262	10 64	10 55	24,275,170	\$207,092	.....
1863..	2,617,347	12	31,408,163	1 05	32,978,571	12 59	10 55	27,613,011	5,365,560	.....
1864..	2,328,763	14.3	33,371,173	1 55	51,725,318	22 21	10 55	24,568,450	27,156,868	.....
1865..	2,296,977	11	25,266,745	1 09	27,541,732	12 00	10 55	24,233,107	3,308,625	.....
1866..	2,196,263	13	28,551,421	1 93	55,104,243	25 09	10 55	23,170,575	31,933,668	.....
1867..	2,456,140	11.4	28,000,000	1 97	55,160,000	22 45	10 55	25,912,277	29,247,723	.....
1868..	2,483,478	11.5	28,560,000	1 20	34,272,000	13 80	10 55	26,200,692	8,071,308	.....
1869..	2,607,142	11.2	28,200,000	76	22,192,000	8 51	10 55	27,505,348	.....	5,313,348
1870..	2,259,583	12	27,115,000	94	25,488,100	11 28	10 55	23,834,600	1,649,500	.....
1871..	2,050,081	12 3	25,216,000	1 18	29,754,880	14 51	10 55	21,628,354	8,126,526	.....
1872..	2,042,231	12.1	24,711,000	1 23	30,394,530	14 88	10 55	21,545,537	8,848,993	.....
1873..	2,104,963	13.5	28,417,000	1 10	31,258,700	14 84	10 55	22,207,360	9,051,340	.....
1874..	2,619,304	11.5	30,122,000	86	25,904,920	9 88	10 55	27,633,657	.....	1,728,737
1875..	2,600,000	10.5	27,300,000	91	24,843,000	9 55	10 55	27,430,000	.....	2,587,000
1876..	2,520,430	9.3	23,440,000	93	21,799,200	8 64	10 55	26,590,536	.....	4,791,336
1877..	1,977,745	16.4	32,490,556	1 15	38,002,082	19 22	10 55	20,865,210	17,136,872	.....
1878..	2,324,755	14.6	33,883,398	87	27,059,460	11 64	10 55	24,526,165	2,533,295	.....
1879..	2,440,809	18.2	45,417,661	80	39,930,639	16 36	10 55	25,750,535	14,180,104	.....
1880..	3,256,350	17.3	56,508,309	82	46,497,160	14 27	10 55	34,854,550	11,642,610	.....

*Estimated same as reported for 1880.

CONSUMPTION.—Estimating the annual amount of wheat required for seed and consumption at five bushels per capita, the State has a surplus of the 1880 wheat crop for shipment, of 41,091,229 bushels.

CONDITION.—The prospects of the growing crop are encouraging for an average in thirty counties; five per cent. more than an average in ten counties; ten per cent. more than an average in three counties; twenty per cent. more than an average in one county, and twenty-five per cent. more in one county. In seventeen counties the condition is five per cent. below an average; in thirteen counties ten per cent. below; in eleven counties fifteen per cent. below, with only fifteen counties below twenty per cent. of an average. The following table shows that the growing of winter wheat in the northern counties of the State has been profitable as is evidenced by the increasing acreage each succeeding year and which has more than doubled within the past six years.

ACREAGE WINTER WHEAT IN NORTHERN COUNTIES.

COUNTIES.	Winter wheat 1876.	Winter wheat 1877.	Winter wheat 1878.	Winter wheat 1879.	Winter wheat 1880.	Winter wheat 1881.
Boone.....	599	599	658	391	655	1,147
Bureau.....						660
Carroll.....	2,498	2,498	3,372	3,294	6,175	4,683
Cass.....	13,490	14,839	16,322	14,132	19,882	22,081
Champaign.....	5,358	6,697	9,040	11,181	17,378	23,851
Cook.....				60	63	260
DeKalb.....				125	225	87
DeWitt.....	1,541	1,541	1,386	2,653	9,085	11,762
DuPage.....				207	238	237
Ford.....	164	164	213	239	335	295
Fulton.....	16,396	16,397	17,215	17,215	28,405	32,390
Grundy.....				92	97	80
Hancock.....	9,781	9,291	10,220	21,468	31,970	27,114
Henderson.....	3,453	3,453	3,625	4,443	5,998	3,542
Henry.....				303	621	484
Iroquois.....	984	984	1,986	2,030	4,186	4,781
JoDavies.....	3,525	2,467	2,861	1,808	6,364	6,256
Kane.....	730	730	730	51	43	168
Kankakee.....				376	1,128	2,424
Knox.....	3,749	2,249	2,698	2,255	3,968	5,286
Lake.....	647	647	647	76	125	22
LaSalle.....	2,974	2,974	2,974	430	659	640
Lee.....						
Livingston.....				490	651	321
Logan.....	14,369	14,369	11,495	6,439	18,542	27,256
Marshall.....	360	396	396			590
Mason.....	7,313	7,313	7,898	7,898	9,748	10,402
McDonough.....	3,471	3,471	3,297	3,297	4,154	9,569
McHenry.....	1,535	1,535	1,535	1,535	3,289	597
McLean.....	5,974	5,974	6,451	3,790	6,890	12,449
Menard.....	3,305	3,305	6,114	8,987	19,157	20,652
Mercer.....	2,247	2,808	2,808	1,215	1,737	396
Ogle.....	3,839	3,839	4,299	2,081	3,368	6,097
Peoria.....	3,526	2,645	2,909	3,665	4,352	5,137
Piatt.....	2,217	2,217	2,106	4,211	5,895	9,279
Putnam.....	224	224	224	301	344	854
Rock Island.....	270	270	270	386	1,077	209
Schuyler.....	18,338	19,254	22,142	20,766	34,777	33,883
Stark.....				164	205	77
Stephenson.....	5,313	5,313	7,544	4,401	5,668	7,975
Tazewell.....	8,235	7,412	8,153	10,729	15,320	22,014
Vermilion.....	12,202	18,303	19,585	20,973	55,719	78,549
Warren.....	2,500	2,500	2,500	847	1,553	1,061
Whiteside.....				493	694	320
Will.....				323	375	644
Winnebago.....	1,667	1,667	1,750	859	1,655	2,795
Woodford.....	465	232	116	2,090	2,947	3,631
Total.....	163,259	168,576	185,539	188,689	335,717	401,407

SPRING VS. WINTER WHEAT.

The average yield per acre of spring and winter wheat for the last four years with the price per bushel and the value per acre is given in the following table.

The acreage of spring wheat in the State for the period named was 248,449 acres in 1877; 291,912 in 1878, 303,736 acres in 1879, 286,264 acres in 1880, a total of 1,130,361 acres of spring wheat at the same average yield per acre and price obtained per bushel for winter wheat would have made during the past four years a difference in favor of the producers of \$7.-034,399 81. or \$3.26 per acre. The average yield per acre; average price per bushel and value per acre of spring and winter wheat the past four years are given in the following table:

TABLE.

	1877.			1878.			1879.			1880		
	Average yield per acre—bu	Price per bu. at harvest...	Value per acre	Average yield per acre—bu	Price per bu. at harvest...	Value per acre	Average yield per acre—bu	Price per bu. at harvest...	Value per acre	Average yield per acre—bu	Price per bu. at harvest...	Value per acre
Winter Wheat.....	17	\$1 15	\$19 55	14½	82	\$12 09	19½	88½	\$17 45	18	82	\$14 76
Spring Wheat.....	12	1 00	12 00	13½	82	10 86	11	78 1-10	8 59	9½	76	7 22
Favor Winter Wheat	5	15	7 55	1½	.....	1 23	8½	10	8 86	8½	6	7 54

WINTER RYE.

The last seeding of winter rye of 133,802 acres is less than that of any year since 1874.

The profits attending wheat culture have had the effect to decrease the area of rye which is grown principally for winter and early spring pasture.

CONDITION—Forty-seven counties out of the eighty counties reporting the crop give the condition as up to an average; in one county the condition is five per cent. above an average; in six counties ten per cent. above an average; the condition is five per cent. below an average in fourteen counties; ten per cent. below in nine counties; fifteen per cent. below in four counties; twenty per cent. below in three counties; twenty-five per cent. below in three counties

IRISH POTATOES.

During the past twenty-one years this crop has returned to the producer each year a handsome profit, and, excepting hay, is the only crop grown in the State that has not proved a failure during the period named.

The acreage of the last crop, 93,387, exceeds that of either of the preceding two years.

The following table, excepting the last four years, was compiled from the reports of the National Department of Agriculture:

IRISH POTATOES.

Year.	Number of acres..	Av. yield per acre, bushels	Bushels produced.	Price per bushel .	Total value... ..	Value per acre	*Cost of production per acre.....	Total cost of production	Profit.	Loss.
1860...	69 255	80	5,540,390	\$ 31	\$1,717,520	\$24 80	\$20 55	\$1,423,190	\$294,330	.....
1861...	69 255	80	5,540,390	29	1,606,713	23 19	20 55	1,423,190	183,523	.....
1862...	64,444	100	6,444,404	40	2,577,762	40 00	20 55	1,324,324	1,253,438	.....
1863...	73,650	70	5,155,523	74	3,815,087	51 80	20 55	1,513,507	2,301,580	.....
1864...	55,521	81½	4,511,083	1 15	5,187,745	93 43	20 55	1,140,956	4,046,789	.....
1865...	50,124	117	5,864,408	47½	2,770,933	55 27	20 55	1,030,048	1,740,885	.....
1866...	58,983	86½	5,102,035	64	3,265,302	55 36	20 55	1,212,100	2,053,202	.....
1867...	60,710	60½	3,673,000	1 20	4,407,600	72 60	20 55	1,247,590	3,160,010	.....
1868...	55,521	71	3,800,000	81	3,078,000	57 51	20 55	1,099,856	1,978,144	.....
1869...	72,815	103	7,500,000	41	3,075,000	42 23	20 55	1,496,348	1,578,652	.....
1870...	104,037	81	8,427,000	64	5,393,280	51 84	20 55	2,137,960	3,255,320	.....
1871...	117,409	61	7,162,000	85	6,087,700	51 94	20 55	2,412,755	3,674,945	.....
1872...	128,906	75	9,668,000	46	4,447,280	34 50	20 55	2,649,018	1,798,262	.....
1873...	137,750	40	5,510,000	1 12	6,171,200	44 80	20 55	2,830,762	3,340,438	.....
1874...	135,236	55	7,438,000	83	6,173,540	45 65	20 55	2,779,100	3,394,440	.....
1875...	118,750	128	15,200,000	32	4,864,000	40 96	20 55	2,440,312	2,423,688	.....
1876...	128,000	75	9,600,000	61	5,764,500	45 75	20 55	2,589,300	3,175,200	.....
1877...	95,717	71	6,795,349	47	3,057,907	32 95	20 55	1,965,984	1,090,923	.....
1878...	81,460	63	5,095,477	45	2,394,874	29 61	20 55	1,674,003	720,871	.....
1879...	90,351	78	7,125,932	50	3,506,788	39 00	20 55	1,856,713	1,650,075	.....
1880...	93,387	69	6,470,811	56	3,689,348	38 64	20 55	1,992,702	1,696,646	.....

*Estimated same as reported for 1880.

The Irish Potato crop since 1860 has returned the producers a net profit of \$44,811,361.00, or one-third as much as the wheat crop of the State for the same period.

When it is considered that the acreage of Irish potatoes is about one-third that of wheat, it will be seen that the profits are largely in favor of potatoes.

PRINCIPAL CROPS.

The following table gives the extent of the leading crops grown in the State during the past four years, and shows that the 1880 corn crop is less than that of 1877, 1878 and 1879.

The last hay crop exceeds that of 1879, and is less than the years 1877 and 1878. The winter wheat crop of 1880 is the largest on record. The late crop of spring wheat is less than that of the three preceding years. The oat crop, excepting the year 1877, is the largest produced during the last four years. There was a larger crop of Irish potatoes grown in 1877 and 1879 than the past season. The 1880 crop of flax seed largely exceeds that of the preceding two years. The number of gallons of sorghum syrup manufactured in 1880 is larger than in 1878 or 1879. Excepting 1878 there were more hogs marketed in 1880 than any year since 1874. There were more fat cattle marketed in 1880 than in previous years on record excepting 1873, 1874 and 1879. The number of fat sheep marketed the past season is the largest since 1874.

YIELD.

Article.	1877.	1878.	1879.	1880.
Corn, bushels.....	269,889,742	260,560,810	305,913,377	250,697,036
Hay, tons.....	4,044,969	4,255,471	2,578,736	3,486,584
Winter Wheat, bushels.....	29,510,032	30,018,147	42,041,252	53,865,505
Spring Wheat, bushels.....	2,980,524	3,870,251	3,376,409	2,642,804
Oats, bushels.....	67,145,983	62,096,388	54,664,569	62,709,002
Irish Potatoes, bushels.....	6,795,349	5,095,477	7,125,932	6,470,811
Flax Seed, bushels.....		957,762	990,447	1,557,898
Sorghum, gallons syrup.....		1,141,127	1,524,705	1,588,666
Hog Product, number marketed.....	2,115,804	2,345,391	1,984,194	2,193,487
Fat Cattle, number marketed.....	350,186	355,020	409,982	399,955
Fat Sheep, number marketed.....	155,421	155,151	174,448	192,939

VALUE FARM CROPS.

The value of the leading crops grown in the State the past four years is given in the following table, and shows that the crops of 1880, largely exceed those of the preceding three years in value. Excepting the year 1879 and 1864, the return from the 1880 corn crop exceeds any year on record. The value of the last hay crop has not been exceeded the past four years. The winter wheat crop of 1880, brought the farmer more money than any previous crop, excepting 1864, 1866, and 1867, when the price per bushel was \$1.55, \$1.93 and \$1.97, respectively.

There has been a steady decrease of late years in the value of the spring wheat crop of the State. The value of the oat crop of 1880, exceeds that of the past two years. Orchards have made a larger return the past season than for years. The value of the last potato crop exceeds that of any crop since 1876, and the same is true concerning flaxseed and sorghum. The value of hogs and beef cattle marketed the past season, exceeds that of the two preceding years, and the value of fat sheep sold in 1880, is larger than any season since 1876. The value of dairy and other products of the State for 1880, not included in the table, would increase the aggregate returns of the farm to about three hundred million of dollars.

VALUE.

Article.	1877.	1878.	1879.	1880.
Corn.....	\$77,562,879	\$56,035,848	\$97,483,052	\$83,757,039
Hay.....	21,971,368	19,994,341	16,428,012	22,589,691
Winter Wheat.....	34,960,824	23,870,257	37,266,757	44,457,428
Spring Wheat.....	3,041,258	3,189,203	2,663,882	2,039,732
Oats.....	16,269,647	12,451,889	12,059,162	12,858,247
Pasture.....	14,764,112	12,324,647	12,319,620	14,491,114
Orchard Fruits.....	3,589,672	4,181,662	2,497,687	8,176,480
Irish Potatoes.....	3,057,907	2,394,874	3,506,788	3,689,348
Flax Seed.....			1,296,753	1,579,634
Sorghum.....			579,257	676,630
Hog Product.....	22,758,881	16,724,384	16,640,061	22,137,461
Fat Cattle.....	17,115,340	14,207,900	16,751,450	17,026,130
Fat Sheep.....	615,467	613,156	513,884	652,465
Total.....	\$215,687,355	\$165,988,161	\$220,006,365	\$234,131,399

ACRES IN CULTIVATION.

There is but little change in the area of the leading crops grown in the State during the past six years. The wheat acreage has been increased somewhat of late, at the expense of corn. The extensive system of drainage being carried out in various parts of the State, of late years, has increased the cultivated area, and will soon make a showing in the extent of the acreage of the various crops.

The incomplete reports, of the acreage of crops grown in the State, by assessors, as returned in May last, show that 8,777,006 acres were not included, a fraction over 25 per cent. of the total area of the State.

In the last returns a fraction over 21 per cent. of the area reported, was occupied by corn, and over 7 per cent. of the acreage was devoted to winter wheat, and presuming the same ratio to apply to the area (8,777,006 acres) not included in the returns of assessors, it would increase the corn area of the State for 1879 to 9,435,323 acres, and the wheat area for the same years to 3,055,199 acres.

The same average yield per acre, as reported on the area returned, on the estimated corn and wheat area not included, would make the corn crop 358,542,264 bushels, an increase of 52,628,887 bushels, and make the wheat crop for 1879, 57,282,971 bushels, an increase of 11,865, - 310 bushels more than named in the report for 1879.

Article.	1875.	1876.	1877.	1878.	1879.	1880.
Corn.....	8,187,914	8,815,791	7,627,735	8,672,088	7,918,881	7,574,545
Pastures.....	4,219,347	4,289,918	3,760,071	3,983,459	4,193,884	4,257,054
Winter & Spring Wheat.	2,004,275	1,938,527	2,069,563	2,324,755	2,435,072	3,256,350
Meadows.....	2,293,353	2,475,782	2,302,888	2,368,854	2,161,760	2,259,857
Oats.....	758,694	1,660,778	1,456,644	1,568,120	1,631,139	1,749,391
Orchards.....	311,555	342,682	294,684	412,140	290,646	306,096
Flax.....			89,304	96,179	110,016	171,985
Rye.....	157,572	161,250	231,972	252,768	235,073	149,742
Irish Potatoes.....	118,750	126,000	95,717	81,460	90,351	93,387
Barley.....	113,281	124,293	44,982	29,301	25,494	59,313
Sorghum.....			19,335	14,638	14,949	17,716

PRICES OF FARM PRODUCTS, DEC. 20.

There has been no great fluctuation in prices of the products of the farm during the past five years as will be seen by the following table which gives prices in first hands on December 20th of the principal crops for the years named. Corn is higher this year than in any previous season included, and spring wheat, with the exception of 1878 is less than it has been the past five years. Rye and barley are higher than since 1875, and excepting 1878, the same may be said of buckwheat. Potatoes are higher than the four preceding years excepting 1876, and in the past five years Hay has not brought as much per ton excepting last year. Beef cattle sell for more than they have in the past five years, and excepting 1877 the same is true of fat hogs. Fat sheep are lower than they have been in five years with the exception of 1879.

Article.	1876.	1877.	1878.	1879.	1880.
Corn, per bushel.....	\$ 30	\$ 30	\$ 22	\$ 32	\$ 33
Winter Wheat, per bushel.....	1 01	1 19	79	1 21	93
Spring Wheat, per bushel.....	92	95	68	1 06	83
Oats, per bushel.....	30	23	17	29	29
Rye, per bushel.....	56	52	41	66	72
Barley, per bushel.....	53	47	56	68	70
Buckwheat, per bushel.....		73	1 33	76	77
Potatoes, per bushel.....	58	45	47	50	56
Winter Apples, per bushel.....	44	80	65	75	56
Hay, per ton.....	6 25	6 35	4 33	10 00	9 30
Beef Cattle, gross per cwt.....	3 47	3 37	2 95	3 50	3 75
Fat Hogs, gross per cwt.....	4 09	4 23	2 80	3 30	4 13
Fat Sheep, gross per cwt.....	4 50	4 40	3 80	2 98	3 40

FARM DRAINAGE

It is estimated that at least ten thousand miles of tile are laid each year in this State, and as the results of drainage become generally known, the interest in this much needed improvement to a majority of the prairie and bottom lands will increase to such an extent that the hundreds of tile factories now in the State will not be able to supply one-half the demand. The unanimous opinion of all who have had any experience in tile drainage is most favorable, and as the results are realized the enthusiasm increases to such an extent that the supply of tile and the available means for making these improvements are the only serious matters that interfere with the general determination of Illinois farmers to make themselves in a great measure independent of the damages frequently sustained by wet seasons. Notwithstanding the drouth which prevailed during the growing season in some parts of the State, the work of tile drainage has been prosecuted the past season with unusual energy.

SUMMARY.

IMPROVED STOCK.

This State ranks second to none in point of number and quality of the various breeds of improved stock. The interest in raising the more profitable breeds is quite general, and the sharp western competition has necessitated the breeding of the best beef and dairy breeds of cattle and other breeds of meat animals noted for early maturity and superior quality. The breeding establishments in the State are not approached in extent and quality by any on either continent, and the superior quality of cattle fed in Illinois is recognized in the leading foreign markets. The largest importers of the improved breeds of horses and cattle in America reside in this State. The commendable efforts of the stock breeders and importers of the State have been properly recognized in the liberal patronage received from farmers and breeders residing in nearly every State in the Union.

PROFITS.

The profits to the producer on the crops have not depended entirely on the the large average yield per acre of the various crops as the price obtained per bushel or pound on a medium crop has frequently netted the farmer the most money, viz: the 1868 corn crop of 109,091,000 bushels at 68 cents per bushel was worth to the producer \$74,281,880, or \$18,246,038 more than the very large crop of 1878 of 250,560,810 bushels which at 22 cents per bushel returned the farmer only \$56,035,842.

The 1866 wheat crop of the State amounted to 28,551,421 bushels, about one-half as many bushels as the crop of 1880 of 56,508,309 bushels; the 1866 crop at \$1 93 per bushel made the wheat crop worth to the producer \$55,104,243, the latter at 82 cents per bushel made the 1880 crop worth in first hands only \$46,497,160, or \$8,707,083 less than half the same number of bushels brought in 1866. The net profit to the farmers on the 1866 wheat crop was 31,933,668 06, or nearly three times as much as in 1880 when the wheat crop on nearly a million more acres only returned the producer a profit of \$11,642,610.

The outside demand and charges for transportation on the crops largely influence the balances on the farmer's ledger, and as the producer and legitimate dealer are educated as to the extent of foreign demand and the supply, the speculator in agricultural products will have to seek other fields for profitable operation.

The widely extended markets of the United States give much encouragement for an increased future demand for surplus crops at remunerative prices, and a good crop in one or more of the countries purchasing American grain is not likely to make any material difference in prices.

The exports of grain in 1880 from the United States with flour and meal in bushels was 275,549,638 bushels, valued at \$263,295,537, an increase in value of \$24,093,468 over that of the previous year.

The following table includes countries receiving from the single port of New York 20,000 or more bushels of grain during the past year:

	Wheat, bus	Corn, bus.	Rye, bus.
Russia Baltic.....		199,405	
Sweden and Norway.....	48,711	871,766	55,823
Denmark.....	516,821	3,395,864	
Netherlands.....	3,033,557	1,587,790	620,794
Belgium.....	6,303,471	1,055,153	397,062
Germany.....	1,960,313	7,598,500	787,765
England.....	20,778,262	15,295,787	17,060
Scotland.....	2,962,781	2,566,745	31,438
Ireland.....	11,492,311	16,184,356	141,332
Gibraltar.....	19,665	270,712	
British West Indies.....		276,172	
France.....	12,369,800	1,968,606	174,680
Spain.....	344,973	1,687,414	8,993
Portugal.....	1,745,261	120,096	
Cuba.....		301,246	
Italy.....	92,568	1,806,568	
Venezuela.....		123,139	
Brazil.....	18,089		
Uruguay.....	30,215		
Argentine Republic.....	85,069		

(Continued on page 77.)

Acres in Cultivation in 1880.

Countries.	Corn.	Meadow.	Winter Wheat.	Spring Wheat.	Oats.	Pasture.	Orchards.	Rye.	Barley.	Irish Potatoes.	Sorghum.	Flax.
Adams.....	91,075	25,554	63,611	336	21,873	39,929	7,402	715	86	1,895	525	.....
Alexander.....	10,239	544	7,948	43	543	112	475	4	.....	140	122	.....
Bond.....	32,589	13,577	32,327	.....	7,900	20,611	2,436	.....	.....	469	4	1,821
Boone.....	30,019	23,906	1,159	3,489	22,993	41,433	1,325	1,765	438	.....	.....	.....
Brown.....	30,645	9,419	24,202	87	4,135	21,666	2,014	1,306	.....	369	336	.....
Bureau.....	194,141	44,122	660	18,122	31,240	111,047	8,495	1,802	1,560	1,673	75	.....
Calhoun.....	14,715	2,077	18,897	.....	1,216	2,967	2,518	6	.....	294	48	.....
Carroll.....	65,045	20,219	7,805	5,397	26,201	42,229	1,846	4,828	5,172	820	9	64
Cass.....	49,548	4,255	20,831	763	8,244	15,536	1,172	508	20	230	204	.....
Champaign.....	211,137	34,658	19,712	852	35,468	55,040	5,038	2,871	.....	1,808	244	10,917
Christian.....	93,743	33,030	82,321	1,222	15,075	52,161	4,905	494	293	893	102	668
Clark.....	39,895	13,255	51,197	14	8,300	22,730	2,298	191	.....	393	410	35
Clay.....	30,614	24,621	32,413	.....	6,983	13,043	1,274	225	.....	133	510	2,360
Clinton.....	45,959	9,360	85,228	1,039	16,494	27,746	2,600	74	10	716	95	.....
Coles.....	64,793	17,224	33,272	233	8,490	36,314	3,075	253	80	595	155	.....
Cook.....	54,414	101,023	232	3,865	54,845	81,747	4,236	1,098	193	9,774	10	12,351
Crawford.....	32,123	11,604	47,636	.....	8,533	26,142	1,900	99	.....	344	386	8
Cumberland.....	24,441	13,793	28,400	24	4,009	21,831	1,423	265	17	163	291	.....
De Kalb.....	119,892	68,841	83,108	6,918	47,009	111,104	4,095	806	1,751	1,540	3	10,665
De Witt.....	71,553	13,426	8,713	2,972	14,219	31,548	2,048	2,601	19	318	39	.....
Douglas.....	74,290	17,014	33,477	324	10,117	50,557	1,873	871	21	170	72	.....
DuPage.....	33,362	32,140	3,389	3,389	31,048	45,144	3,359	1,539	135	3,617	2	5,119
Edgar.....	102,275	27,058	47,339	119	12,375	103,302	3,186	449	19	114	955	65
Edwards.....	15,618	7,620	26,164	.....	2,463	6,854	1,393	.....	7	427	120	.....
Effingham.....	39,424	17,513	46,863	2	15,253	19,178	1,729	467	7	427	433	4
Fayette.....	50,129	15,942	56,980	17	11,644	21,352	2,456	301	.....	350	364	16
Ford.....	123,049	21,310	92,295	348	14,322	29,687	1,305	928	41	824	76	29,749
Franklin.....	19,653	3,669	28,303	216	4,080	1,998	1,899	8	10	38	160	25
Fulton.....	29,153	29,137	36,807	8,816	1,176	2,660	1,104	6,829	93	174	192	.....
Gallatin.....	24,405	22,820	21,139	33	22,452	56,818	2,145	47	.....	201	92	.....
Greene.....	51,908	15,194	58,018	110	3,547	51,391	2,144	1,678	77	497	16	1,907
Grundy.....	105,209	30,892	80	404	11,121	51,391	2,144	21	.....	114	281	28
Hamilton.....	23,758	5,410	36,800	.....	36,364	53,296	1,649	2,694	10	1,270	301	.....
Hancock.....	125,192	33,890	27,953	4,317	2,789	2,960	6,848	35	.....	1,262	174	.....
Hardin.....	9,739	2,165	4,815	43	1,536	2,422	868	.....	.....	126	33	.....
Henderson.....	70,901	9,351	27,951	6,011	10,400	45,650	1,534	2,869	53	1,070	65	.....
Henry.....	203,319	42,657	4,484	6,618	29,764	94,101	4,092	4,559	669	1,460	288	29,651
Hopkins.....	239,226	51,289	4,510	864	37,191	95,888	4,317	3,628	129	1,434	239	.....
Iroquois.....	51,765	5,765	51,403	119	4,068	4,850	1,394	80	79	354	588	1,720
Jackson.....	23,175	13,083	25,428	.....	6,488	10,255	4,009	212	.....	209	344	.....
Jasper.....	28,498	13,083	54,996	20	8,586	16,786	3,283	99	28	.....	.....	.....
Jefferson.....	34,207	8,540	54,996	.....	6,488	10,255	4,009	212	.....	.....	.....	.....

Acres in Cultivation in 1880—Continued.

Counties.	Corn.	Meadow.	Winter Wheat.	Spring Wheat.	Oats.	Pasture.	Orchards.	Rye.	Barley.	Irish Potatoes.	Sorghum.	Flax.
Jersey.....	35,137	9,563	51,747	27	3,778	27,455	2,183	10	.....	340	30	.....
JoDavies.....	55,027	31,906	8,639	3,638	30,347	55,812	1,997	2,146	881	1,650	36	2,176
Johnson.....	20,186	4,027	20,374	1	1,373	4,136	1,905	9	.....	1,271	207	.....
Kane.....	51,372	52,027	205	3,173	30,007	73,083	3,115	1,495	504	1,287	2	623
Kankakee.....	14,975	43,301	2,309	1,557	29,429	58,085	1,723	2,347	227	919	100	2,847
Kendall.....	76,111	31,088	142	1,878	19,823	51,121	4,358	318	33	699	2	30
Knox.....	150,129	40,736	5,182	6,890	36,446	142,048	5,397	4,724	178	1,322	228	.....
Lake.....	21,401	41,176	22	2,363	22,225	50,306	2,966	451	113	1,689	1	6,419
LaSalle.....	250,043	79,299	529	13,630	47,534	104,331	6,195	3,223	726	2,804	187	360
Lawrence.....	27,774	7,586	43,921	500	3,145	12,793	2,502	128	182	280	295	1
Lee.....	115,228	30,654	.....	34,818	19,182	56,966	3,688	.....	.....	.....	.....	.....
Livingston.....	200,935	65,817	643	3,817	51,942	79,676	4,840	6,405	61	1,556	152	17,336
Logan.....	151,435	85,817	23,701	2,246	17,313	45,377	2,142	1,577	183	947	40	.....
Macon.....	111,063	16,071	22,802	2,110	17,655	46,835	2,995	1,199	86	947	82	1,010
Macoupin.....	87,403	30,681	114,424	81	19,879	20,417	5,474	200	20	411	158	.....
Madison.....	83,306	14,140	141,576	.....	11,480	29,596	6,892	56	.....	4,719	169	.....
Marion.....	38,143	16,450	38,524	.....	10,049	23,632	3,225	443	.....	182	338	154
Marshall.....	85,184	16,412	621	2,955	19,382	31,705	2,569	2,239	.....	419	59	10
Mason.....	61,515	2,905	9,456	892	9,711	7,295	1,699	.....	.....	.....	.....	.....
Massac.....	15,348	3,040	20,838	6	1,163	2,476	1,535	3	.....	167	158	.....
McDonough.....	101,429	20,174	10,073	12,976	25,310	17,345	2,575	4,320	.....	582	162	.....
McHenry.....	59,260	59,779	7,847	7,847	37,519	121,344	3,104	1,080	574	1,670	233	2,631
McLean.....	263,973	51,353	11,035	6,705	53,321	140,613	7,564	8,205	349	1,803	157	4,849
Menard.....	57,049	8,274	18,947	577	8,397	36,108	1,691	3,325	80	328	55	.....
Necoe.....	112,301	22,838	392	12,200	18,371	73,704	3,874	3,131	55	970	203	.....
Monroe.....	17,703	6,656	62,468	.....	5,747	5,618	1,594	24	87	988	81	.....
Montgomery.....	76,684	25,455	138,611	.....	13,371	57,613	3,555	1,171	34	475	228	371
Morgan.....	99,271	33,707	61,603	1,000	10,160	82,284	3,764	5,023	.....	2,500	112	.....
Moultrie.....	50,327	9,195	9,116	1,116	9,406	33,368	1,809	493	90	232	151	580
Ogle.....	114,314	42,772	5,807	8,633	54,205	68,405	2,978	4,052	7,501	1,662	20	1,445
Peoria.....	132,465	33,721	5,838	5,10	30,962	48,326	3,486	5,821	25	1,755	168	.....
Perry.....	11,633	2,609	37,279	10	5,022	4,893	712	23	.....	95	68	.....
Platt.....	90,352	13,342	7,999	721	19,165	44,277	2,249	1,600	26	431	82	5,156
Pike.....	63,614	14,516	105,048	.....	5,898	81,510	4,469	144	.....	691	225	.....
Pope.....	23,241	2,681	18,870	273	3,887	8,518	2,317	20	.....	1,636	674	.....
Pulaski.....	11,880	3,060	12,354	.....	620	8,721	2,086	.....	.....	75	135	.....
Putnam.....	31,167	6,599	354	3,245	10,754	16,504	891	891	16	290	58	.....
Randolph.....	29,302	8,584	10,417	.....	9,269	9,269	2,876	16	.....	680	299	.....
Richland.....	25,281	12,765	41,561	5	5,449	12,325	2,493	11	20	231	294	514
Rock Island.....	97,004	22,272	255	7,047	12,892	48,579	3,121	3,110	618	2,338	72	.....
Saline.....	17,558	2,910	21,255	44	2,172	1,649	1,144	4	.....	36	357	.....

Prices of Crops December 20, 1880.

Counties.	Corn per bushel . . .	Winter wheat per bu	Spring wheat per bu.	Oats per bushel	Rye per bushel	Barley per bushel . .	Buckwheat per bu .	White beans per bu.	Castor beans per bu.	Irish potatoes per bushel	Winter apples per bushel	Cotton seed per bu..	Flax seed per bushel	Timothy seed per bushel	Clover seed per bu.	Hungarian and Millet per bushel . . .	Peaches per bushel in their season . . .	Pears per bushel in their season . . .
Adams	42	95	30	30	60	70	1 50	2 30		68	55			65	10	1 10	1 75	
Alexander	40	98		36	85			1 20		57	58			5 00		95	1 50	
Bond	40	93		27				1 40		58	42			6 00	1 00	87	1 00	
Boone	33	95	0 91	29	79		82	1 25		35	47		1 05	15 4 05		75	70	
Brown	38	88		28	60			1 00		70	38			50 4 66		1 00		
Bureau	33	92	80	29	70	65	1 00			52	50			50 4 23		1 00		
Calhoun	40	1 02		35				1 50		70	32			5 00				
Carroll	39	88	82	25	80	45	80			67	60			12 4 25	1 00	87	1 00	
Cass	32	88		27						77	50						66	1 00
Champaign	32	90		27	65		60	2 00		50	66	1 00	1 85	4 50	60	87	1 25	
Christian	30	88	80	25	71	82		2 00		52	68		85	20 4 25	50	68	1 33	
Clark	35	94		26	72		71	1 35		56	78		90	1 92 4 33		65	1 15	
Clay	40	90		27	50			1 25		48	46	1 00	2 00	4 50		83	1 00	
Clinton	48	96		35	40		70	2 50		65	48		2 25			87	1 25	
Coles	30	94		26	80		70	1 50		53	58		1 08	32 5 40	67	31	1 00	
Cook	38	1 00	97	30	81	85		1 50	0 50	60	72	1 00	2 50	3 25 6 10	80	30	78	
Crawford	35	90		26	65		68	1 75		65	66	1 00	1 00	2 10 4 75	50	65	1 00	
Cumberland	31	93		25	67		75	1 45		56	56		1 07	2 00 4 30				
DeKalb	36	89	76	28	75	80	75	1 25		52	66		1 07	2 00 4 30				
DeWitt	30	97	85	31	67		1 50			67	35		2 00			77	1 00	
Douglas	30	90	75	24	70		50	1 75		56	65	1 10	1 90	4 30	52	40	1 00	
DuPage	35	96	96	25	80	70	1 50			63	51	1 10	2 25	4 55	80			
Edgar	34	98	95	26	70		75	1 87		60	58		1 55	4 25		60	1 87	
Edwards	41	97		28				1 50		56	48		2 37	4 16		40	1 00	
Effingham	34	92		27				1 25		45	55		2 00			40	50	
Fayette	41	96		28	62		62	1 17		50	57	1 00	2 50	4 85	75	70	2 00	
Ford	32	90		27	57		1 50			80	93	1 00	2 05	5 00	50	1 50		
Franklin	40	90		37			1 00	1 00		55	87	1 00				50	50	
Fulton	31	85	77	30	80					62	57		2 00	4 25		2 00	2 50	
Gallatin	40	93		40				1 40		56	70		2 12	4 75	60	55	87	
Greene	35	93		30			2 00			76	50		2 50	5 50		63	92	
Grundy	35			28	61	95	75	1 25		70	1 00		40	1 65		2 00		
Hamilton	40	93	80	30	86			1 05	80	65	68		2 38	4 75	50	38	50	
Hancock	33	92	80	28	75		87	1 75		42	36		2 00	5 00		86	1 16	
Hardin	35	90		27				1 00		45	50					50	75	
Henderson	28	91	81	29	71	80				67	37		1 85	4 25		1 12	1 00	
Henry	30	1 00	86	27	74		1 00	2 00		68	44		2 12	5 00				
Iroquois	34	1 00	90	28	71		1 00	1 25		71	95	1 06	2 10	4 00	60	1 00		
Jackson	51	90		35	80		87	1 50	1 25	75	50		2 50	4 85		95	87	
Jasper	36	94		26	55		1 37			43	83	1 00	2 12		1 25	27	75	
Jefferson	47	95		33	75	75	1 00	1 50	1 17	55	50	1 00	2 35	5 00	60	85	1 00	
Jersey	36	72		31				1 90		70	48		2 30	4 80	50	60	1 10	
JoDavies	32	98	85	30	73	50	1 00	1 25		37	46		2 12	4 50			1 50	
Johnson	35	90		32				1 00	75	45	42			4 50		50	87	
Kane	36	98	80	28	71	62	83	1 60		50	33	1 11	2 15	4 65	55	1 00		
Kankakee	34	1 01	93	26	78	80	90	1 40		63	97	1 00	1 70	4 30	56			
Kendall	33	1 00	95	26	78	95	80	1 32		56	58	1 05	2 06	4 33	50	50	2 00	
Knox	30	92	82	30	76	75		2 25		63	67		2 25	4 75	1 50	1 62	4 00	
Lake	38	1 05	98	28	77	85	75	1 50		56	46	1 10	2 25	4 85	57	1 50	2 00	
LaSalle	36	1 01	88	29	76		60	1 45		54	65	1 22	2 20	4 75	60		3 00	
Lawrence	45	95		31	60		63	1 65		45	45	1 00	1 85	4 40		50	1 00	
Lee	34	92	84	27	72	71	90	1 25		55	66	1 00	2 15	4 35	50		2 00	
Livingston	32	1 00	90	31	80		60	1 50		76	60	1 05	2 00	3 08		2 00	2 00	

Prices of Crops December 20, 1880—Continued.

Counties.	Corn per bushel.....	Winter wheat pr. bu.	Spring wheat per bu.	Oats per bushel. .	Rye per bushel.....	Barley per bushel...	Buckwheat pr bushel	White beans per bu.	Castor beans per bu.	Irish potatoes per bushel.....	Cotton seed per bu.	Winter apples per bushel.....	Flax seed per bushel	Timothy seed per bushel.....	Clover seed per bu.	Hungarian and Millet per bushel.....	Peaches per bushel in their season.....	Pears per bushel in their season.....
Logan.....	0 30	0 89	0 78	23 0	61	...	...	25	...	0 70	0 43	...	1 00	2 42	25 6	0 90	0 75	0 91
Macon.....	33 99	...	...	29 76	...	...	...	...	...	50 73	...	...	...	50 4	...	...	62 2	...
Macoupin.....	30 92	...	...	28 45	0 75	...	0 75	2 00	85	53 53	...	...	1 15	30 4	...	...	1 00	1 50
Madison.....	39 92	...	...	34 80	...	...	...	1 25	1 20	55 35	...	...	97	75 5	...	...	87 95	...
Marion.....	40 92	...	...	25	...	...	...	...	...	65 46	...	...	...	00 4	...	...	1 68	1 50
Marshall.....	35 95	78	...	28	78	50	...	1 25	...	60 50	...	...	...	00 4	25	...	1 00	1 00
Mason.....	35 86	...	...	28	83	...	...	...	...	78 76	...	...	...	50 5	...	...	50 2	...
Massac.....	43 1 05	...	...	33	...	...	...	95	...	68 43	...	...	...	50 4	75	80	75 1	75
McDonough.....	32 86	78	...	30	66	60	75	2 00	...	42 40	...	...	...	20 4	45	75	50	...
McHenry.....	36 1 00	98	...	30	81	76	73	1 35	...	82 75	...	1 10	...	20 4	65	...	75 1	25
McLean.....	32 97	82	...	30	73	77	...	...	...	98 46	...	1 00	...	85 5	...	50	56 1	16
Menard.....	30 88	77	...	25	75	70	50	2 25	...	47 40	...	1 00	...	12 4	85	...	...	...
Mercer.....	28 90	72	...	25	73	90	1 00	1 65	...	52 56	...	...	...	12 4	66	62	55	95
Monroe.....	39 94	...	...	37	80	1 00	...	1 00	...	57 48	...	...	...	55 5	50	...	70 1	...
Montgomery.....	32 92	...	...	37	60	...	...	...	...	60 77	...	...	...	...	...	...	...	...
Morgan.....	30 90	...	...	29	...	...	...	...	...	45 70	1 06	2 60	4 25	...	...	90	30 1	37
Moultrie.....	30 85	75	24	65	...	...	75	1 95	...	45 50	1 10	2 08	4 00	1 25	...	...	1 15	2 00
Ogle.....	34 90	78	29	82	56	...	75	1 00	...	61 63	1 00	2 25	4 83	...	...	50 1	65 1	08
Peoria.....	33 93	76	33	80	...	...	75	1 83	...	58 65	1 00	2 50	2 25	...	...	55 40	1 50	...
Perry.....	50 91	...	...	35	80	...	...	...	...	70 40	...	1 60	2 10	4 50	...	...	50	...
Piatt.....	31 90	80	27	75	52	50	1 67	...	...	53 71	...	...	2 25	4 50	...	...	45	75
Pike.....	42 85	...	30	...	...	...	...	...	...	72 72	1 00	2 90	5 15	...	...	60	66	91
Pope.....	40 1 02	...	36	...	...	...	...	1 60	...	62 50	...	...	...	...	...	...	...	...
Pulaski.....	50 1 00	...	32	...	...	...	...	1 45	1 10	72 72	...	...	...	...	...	...	...	...
Putnam.....	33 81	65	28	75	35	1 00	...	2 25	...	60 50	...	...	...	2 25	4 75	80 3	25 3	25
Randolph.....	55 95	...	37	80	60	...	...	...	...	65 62	...	...	...	2 45	5 25	...	62 1	...
Richland.....	40 92	...	25	...	...	70	1 37	...	...	50 45	1 05	1 62	4 50	...	...	...	45	50
Rock Island.....	30 96	85	28	76	70	68	1 37	...	...	43 51	...	...	2 00	5 00	...	...	1 50	4 00
Saline.....	35 95	...	28	...	...	...	1 00	...	...	60 50	...	...	2 25	4 25	...	...	50 1	...
Sangamon.....	30 90	...	26	70	...	...	...	...	...	75 65	...	...	...	...	...	...	85 1	...
Schuyler.....	36 90	...	26	67	...	...	...	2 00	...	77 38	...	...	2 06	4 40	40	50	...	...
Scott.....	34 84	...	30	60	...	...	...	...	...	82 62	...	...	2 98	5 09	...	...	50	...
Shelby.....	31 92	...	26	57	75	75	1 50	...	...	50 68	...	...	2 35	5 00	1 00	45	1 12	...
Stark.....	33 1 00	75	32	81	60	75	1 50	...	...	57 60	...	...	2 12	4 65	1 00	1 00	...	...
St. Clair.....	50 98	...	40	...	80	...	...	...	...	65 75	...	...	...	5 00	...	...	...	1 00
Stephenson.....	34 88	83	28	80	70	45	1 37	...	...	41 66	1 00	2 08	4 25	...	50	...	...	...
Tazewell.....	33 91	83	31	78	70	...	1 62	...	...	65 67	...	...	2 08	4 50	75	...	50	...
Union.....	42 97	...	35	75	...	1 00	1 00	...	...	50 45	...	...	...	...	...	1 00	1 50	...
Vermilion.....	32 95	...	26	75	...	...	...	...	...	63 66	1 10	2 33	6 25	...	...	...	52 1	12
Wabash.....	27 93	...	27	...	...	75	1 75	...	...	76 50	...	...	2 90	4 00	...	...	85	93
Warren.....	29 94	83	23	71	...	...	1 75	...	...	58 48	...	...	2 18	4 68	...	1 00	...	...
Washington.....	50 91	...	40	70	...	...	1 75	1 00	...	46 51	1 00	2 50	4 00	...	62	70	1 00	...
Wayne.....	46 91	...	25	...	...	50	1 37	...	...	58 50	1 25	2 50	5 00	...	...	53 1	...	...
White.....	41 95	...	31	...	...	75	1 75	2 00	...	57 60	...	...	2 40	3 95	...	50	1 00	...
Whiteside.....	30 90	90	26	75	1 00	75	...	...	...	45 40	...	...	2 25	4 00	75	...	...	...
Will.....	37 90	80	28	81	50	80	1 50	...	...	56 63	1 17	2 25	3 56	...	...	1 50	1 75	...
Williamson.....	40 90	...	28	...	...	...	...	...	...	50 46	...	...	2 00	4 00	...	37	1 00	...
Winnebago.....	34 96	83	23	81	67	75	1 80	...	...	48 52	...	...	2 25	4 25	...	1 50	...	...
Woodford.....	33 95	65	33	72	55	...	1 87	...	...	71 55	1 25	2 00	4 00	...	...	1 50	...	...

Prices of Crops December 20, 1880—Continued.

Counties.	Sweet potatoes per bu. in their season	Grapes per pound in their season	Clover hay per ton	Timothy hay per ton	Prairie hay per ton	Hungarian and Millet hay per ton	Broom corn per ton	Hemp fiber per ton	Tobacco per pound	Cotton lint pr. pound	Native wine per gallon	Sorghum molasses per gallon	Fat sheep per 100 lbs., gross weight.	Wool per pound	Milk cows per head	Butter per pound	Cheese per pound
Adams.....	\$ 0 87	0 02	\$ 7 00	\$ 10 60	\$ 4 00	\$ 5 50	...	...	...	...	\$ 0 50	\$ 45 3 66	\$ 29 0 29	\$ 30 00	\$ 0 18	\$ 0 12	\$ 0 12
Alexander.....	46	04	13 00	11 10	...	10 50	...	...	...	...	1 60	35 3 85	51 20	20 00	22 18	...	...
Bond.....	77	04	...	9 35	...	...	...	...	...	...	1 00	36 4 00	29 33	30 00	17 15	...	...
Boone.....	...	06	6 50	9 00	6 40	...	100 00	...	...	...	1 00	50 3 80	38 35	30 00	28 09	...	...
Brown.....	87	02	6 33	8 50	...	...	...	...	...	...	1 00	40 3 75	29 28	30 00	15 15	...	...
Bureau.....	...	03	8 50	10 50	7 50	...	...	...	...	...	...	5 00	40 30	30 00	19 15	...	...
Calhoun.....	1 00	03	11 50	12 50	...	...	...	...	...	...	1 00	...	...	...	...	...	...
Carroll.....	1 00	02	4 00	6 00	5 00	...	...	...	...	...	...	50 3 00	28 35	30 00	27 14	...	...
Cass.....	1 00	04	...	8 66	...	...	...	...	...	...	...	50 4 00	32 35	30 00	26 13	...	...
Champaign.....	1 60	03	6 00	7 50	5 00	5 00	65 00	...	...	...	...	47 3 50	32 35	30 00	19 13	...	...
Christian.....	85	03	5 60	7 50	5 35	5 00	60 00	...	...	...	1 25	46 3 50	30 34	30 00	20 15	...	...
Clark.....	90	03	5 75	6 85	...	...	75 00	...	0 08	...	2 00	37 3 37	30 30	30 00	16 17	...	...
Clay.....	92	03	8 00	8 35	4 00	...	80 00	...	...	...	...	42 3 16	38 24	30 00	15 15	...	...
Clinton.....	85	03	10 00	11 00	7 00	10 00	...	...	...	...	1 00	50 3 50	37 36	30 00	23 15	...	...
Coles.....	83	03	5 66	8 66	...	5 50	87 50	...	...	...	50 3 30	38 3 25	38 35	30 00	18 12	...	...
Cook.....	...	...	...	11 35	7 25	10 00	...	...	...	...	...	...	40 32	30 00	28 09	...	...
Crawford.....	58	04	5 50	7 00	...	...	60 00	...	...	...	...	45 2 75	38 29	30 00	16 14	...	...
Cumberland.....	80	03	5 50	5 50	...	...	60 00	...	12	...	87	41 3 00	33 29	30 00	15 18	...	...
DeKalb.....	...	06	6 20	8 60	6 40	6 00	...	...	...	...	...	65 3 80	36 33	30 00	26 11	...	...
DeWitt.....	1 00	03	5 00	6 00	4 00	...	...	...	...	...	...	50 3 50	26 30	30 00	16 12	...	...
Douglas.....	1 30	03	6 25	9 00	5 50	6 35	93 35	...	...	1 25	...	46 4 00	43 30	30 00	17 14	...	...
DuPage.....	...	03	8 00	10 00	6 65	8 00	...	...	...	...	...	40 4 40	37 52	30 00	29 10	...	...
Ed ar.....	1 00	04	6 00	8 35	...	...	...	...	...	...	1 00	46 3 25	30 33	30 00	18 20	...	...
Edwards.....	75	05	...	7 50	6 00	...	...	...	...	...	...	43 3 15	46 27	30 00	18 12	...	...
Effingham.....	77	04	...	7 50	5 00	...	...	...	...	...	...	32 3 50	33 22	30 00	16 16	...	...
Fayette.....	78	03	9 00	9 35	8 00	8 00	20 00	...	12	...	...	46 3 00	42 25	30 00	16 13	...	...
Ford.....	...	03	5 50	7 15	4 00	...	...	...	...	...	...	45 3 00	25 30	30 00	20 13	...	...
Franklin.....	50	02	8 00	9 00	...	...	...	...	...	05	...	45 3 25	41 25	30 00	17 15	...	...
Fulton.....	...	04	5 75	8 00	...	...	...	...	...	...	...	40 3 00	30 30	30 00	20 15	...	...
Gallatin.....	50	05	11 00	14 50	...	...	...	...	...	05 0 12	50	45 3 00	45 21	30 00	23 20	...	...
Greene.....	87	03	5 35	8 66	...	...	...	...	...	...	...	56 3 58	26 33	30 00	20 20	...	...
Grundy.....	1 00	04	6 00	7 85	5 35	...	...	...	...	...	...	42 5 50	35 35	30 00	22 12	...	...
Hamilton.....	46	04	9 00	9 00	...	...	...	...	...	...	...	45 2 95	50 25	30 00	16 13	...	...
Hancock.....	75	02	8 00	11 00	...	...	...	...	...	...	38	...	...	30 00	18 13	...	...
Hardin.....	62	03	11 00	14 50	...	...	...	...	...	...	...	30 3 00	40 16	30 00	22 15	...	...
Henderson.....	1 00	03	6 00	8 00	...	...	...	...	...	...	87	45 3 58	26 36	30 00	18 16	...	...
Henry.....	1 20	02	8 50	9 80	6 20	...	77 00	...	...	...	...	52 4 50	29 35	30 00	21 15	...	...
Iroquois.....	75	03	6 00	8 00	4 85	4 50	...	3 00	10	...	...	53 4 00	40 33	30 00	20 10	...	...
Jackson.....	70	03	10 00	11 00	...	...	...	...	08	1 00	...	46 3 15	36 23	30 00	21 15	...	...
Jasper.....	92	05	5 50	5 00	4 00	4 00	125 00	...	20	60	...	36 3 37	34 26	30 00	14 15	...	...
Jefferson.....	60	05	9 65	10 25	10 00	...	...	...	06	1 00	...	43 3 00	46 31	30 00	20 12	...	...
Jersey.....	95	03	6 65	9 75	...	...	...	...	...	1 30	...	40 3 50	33 35	30 00	23 13	...	...
JoDavies.....	1 25	04	8 75	11 75	7 35	...	...	...	10	...	1 12	50 3 90	24 28	30 00	21 13	...	...
Johnson.....	...	02	3 25	9 00	11 00	...	...	...	...	05 1 00	...	40 2 50	42 21	30 00	15 10	...	...
Kane.....	...	07	8 75	10 00	6 35	8 00	...	...	...	1 50	...	50 4 65	38 34	30 00	23 10	...	...
Kankakee.....	1 50	06	6 75	10 25	5 35	9 00	110 00	...	...	1 62	...	51 3 50	60 29	30 00	23 12	...	...
Kendall.....	1 00	03	6 33	8 60	7 00	...	...	...	...	...	...	60 4 05	35 34	30 00	21 12	...	...
Knox.....	1 50	02	8 00	9 50	9 00	10 00	80 00	...	...	...	...	51 3 50	38 32	30 00	18 13	...	...
Lake.....	1 50	03	7 35	8 35	6 65	7 00	...	...	...	...	1 00	45 4 15	40 32	30 00	25 12	...	...
LaSalle.....	1 50	04	9 00	10 80	8 20	...	80 00	...	...	2 00	...	46 3 80	31 32	30 00	20 13	...	...
Lawrence.....	85	03	5 00	7 35	4 00	...	...	...	10	...	...	38 4 00	35 26	30 00	18 13	...	...
Lee.....	87	02	5 15	6 65	4 65	...	...	...	...	...	...	60 4 00	27 30	30 00	20 13	...	...
Livingston.....	1 00	04	7 00	8 35	5 50	...	...	...	...	60	...	38 5 87	25 35	30 00	19 13	...	...

Prices of Crops December 20, 1880—Continued.

Counties.	Sweet potatoes per bu. in their season.	Grapes per lb. in their season.	Clover hay per ton.	Timothy hay per ton.	Prairie hay per ton.	Hungarian and millet hay per ton.	Broom corn per ton.	Hemp fiber per ton.	Tobacco per pound.	Cottonlint pr. pound.	Native wine per gallon.	Sorghum molasses per gallon.	Fat sheep, per 100 lbs., gross weigh.	Milk cows per head.	Butter per pound.	Cheese per pound.
Logan.....	1 00	0 02	\$ 00	\$ 35	\$ 00	\$ 7 50					1 25	0 45	3 75	36 00	19 00	16
Macon.....	00	03	00	35	7 50							46 3 85	29	36 00	22	20
Macoupin.....	87	04	6 50	12 50	10 00	6 00	35 00					44 4 25	21	36 00	22	14
Madison.....	1 00	03	6 00	8 50	7 00						1 00	42	30	32 00	17	15
Marion.....	87	04	6 00	8 00	6 66	5 00					1 25	45 3 25	32	28 00	20	14
Marshall.....	1 12	03	7 00	8 00	6 00						1 00	40 3 50	28	25 00	20	12
Mason.....	75	03	8 00	10 00								31	46	22 00	23	12
Massac.....	50	05	10 00	19 35			60 00		0 06			41 3 00	32	30 00	18	14
McDonough.....	1 35	03	4 66	5 66							75	43 4 00	38	33 00	32	09
McHenry.....	1 00	04	7 00	8 60	5 60	7 50						47 4 00	40	31 00	19	15
McLean.....	1 26	03	8 00	9 00	6 00							55 3 75	30	33 00	18	11
Menard.....	1 20	03	5 00	8 85	7 25	7 00	87 00				1 00	50 3 80	30	30 00	16	13
Mercer.....	95	02	7 00	8 80	8 50						2 50	53 3 50	30	30 00	19	
Monroe.....	80	03	10 65	15 00								41 3 35	28	31 00	19	15
Montgomery.....	95	03	6 00	8 40							1 50	50 4 00	30	50 00	20	12
Morgan.....				8 00								46 4 00	37	40 00	21	25
Moultrie.....	1 00	04	4 50	5 50	3 85	5 00	80 00					50 3 75	35	33 00	23	13
Ogle.....	1 00	03	7 66	10 33	7 00	4 00					1 00	46 4 00	31	36 00	18	13
Peoria.....	87	04	8 35	11 00	10 00							40 3 37	40	26 00	23	11
Perry.....	53	03		9 33	8 00				10			40 4 00	35	35 00	20	12
Platt.....	93	03	5 50	7 35	4 50	5 00	90 00	5 00			1 75	50 3 75	28	27 00	15	15
Pike.....	87	03	10 00	11 25		7 00			05			30 3 00	47	17 00	22	
Pope.....	55	05	9 00	14 00								38 3 00	45	18 00	23	15
Pulaski.....	50	03	8 66	16 00	14 00				05		3 50	50 5 00	30	36 00	21	12
Putnam.....	1 60	04	4 00	6 00	4 00						1 00	52 3 10	32	27 00	20	16
Randolph.....	75	04	10 00	13 50								45 2 50		25 00	13	11
Richland.....	62	02	4 25	5 75								65 4 00	35	31 00	21	14
Rock Island.....	90	02	8 50	12 00	10 00				03			35 3 00	45	20 00	12	
Saline.....	60	05	8 00	9 00								75 3 75		41 00	22	10
Sangamon.....	1 15	03	6 00	8 00								40 3 90	29	32 00	22	15
Schuyler.....	90	03	4 66	5 66		7 00					1 50	50 3 85	28	35 00	19	13
Scott.....	1 08	03	6 00	7 33	3 00						1 50	35 4 25	30	36 00	18	20
Shelby.....	77	03	8 00	7 66	6 00	100 00					1 50	50 3 85	31	35 00	22	14
Stark.....	75	03	8 00	9 25	8 50	8 50						50 3 50	33	33 00	24	
St. Clair.....		03	12 00	18 00								45 3 85	33	31 00	23	13
Stephenson.....		04	7 60	10 15	8 00				06			50 3 92	29	36 00	25	11
Tazewell.....	1 05	04	7 33	10 00	6 75								35	35 00	17	
Union.....	40	05	10 00	12 00								40 3 66	40	38 00	20	15
Vermilion.....	75	04	6 00	8 00	3 06							40 2 85	25	24 00	16	10
Wabash.....	86	05	6 35	8 35								46 3 75	27	32 00	17	12
Warren.....	1 08	03	7 35	7 75								51 2 00	48	25 00	15	15
Washington.....	70	04	8 50	11 33	7 50	7 50			10		75	40 3 25	35	25 00	16	20
Wayne.....	66	02	4 00	7 33					06		1 25	42 3 37	36	23 00	21	
White.....	70	03	8 75	11 00							2 00	50 4 00	25	30 00	22	12
Whiteside.....	87	02	6 00	6 00	3 50	5 00						4 50	36	32 00	26	12
Will.....	1 00	05	8 50	10 50	7 25							30 2 86	44	25 00	20	
Williamson.....	50	05	7 35	9 35		6 00	70 00		04			50 3 85	31	30 00	24	12
Winnebago.....		05	6 35	9 23	8 00							45 3 50	28	32 00	18	17
Woodford.....	1 00	02	7 50	8 00	5 00	6 00	85 00				50					

CORN.

Table showing Acreage, Yield in Bushels, Value of Crop, etc., for 1880.

Counties.	Acreage 1879, returned by assessors.....	Per cent. of increase or decrease.....	Acreage 1880.....	Yield per acre in bushels.....	Total yield in bushels..	Price per bushel—cents	Value of crop.....	Cost of production per acre.....	Total cost of production	Profit on crop.....	Loss on crop.....
Adams....	88,422	103	91,075	34	3,096,550	42	\$1,300,551	\$11 75	\$1,070,131	\$230,420	
Alexander....	10,239	100	10,239	44	450,516	40	180,206	11 90	121,844	58,362	
Bond.....	*38,340	85	32,589	15	488,835	40	195,534	10 40	338,926		\$143,392
Boone.....	28,055	107	30,019	40	1,200,760	33	396,251	12 05	361,729	34,522	
Brown.....	34,050	90	30,645	25	766,125	38	291,127	10 25	314,111		22,984
Bureau.....	183,152	106	194,141	34	6,600,794	33	2,178,262	11 25	2,184,086		5,824
Calhoun....	14,715	100	14,715	32	470,880	40	188,352	13 35	196,445		8,093
Carroll....	63,733	103	65,645	45	2,954,025	29	856,667	11 30	741,788	114,879	
Cass.....	50,550	98	49,548	32	1,585,536	32	507,371	9 85	488,048	19,323	
Champ'gn	227,029	93	211,137	36	7,600,932	32	2,432,298	10 90	2,301,393	130,905	
Christian..	142,035	66	93,743	39	3,655,877	30	1,096,763	9 30	871,810	224,953	
Clark.....	45,857	87	39,895	27	1,077,165	35	377,008	9 60	382,992		5,984
Clay.....	32,225	95	30,614	18	551,052	40	220,421	10 40	318,386		97,965
Clinton....	48,893	94	45,959	17	781,303	48	375,025	10 20	468,782		93,757
Coles.....	71,201	91	64,793	37	2,397,341	30	719,202	10 00	647,930	71,272	
Cook.....	53,347	102	54,414	39	2,122,146	38	806,415	10 05	546,861	259,554	
Crawford..	35,300	91	32,123	34	1,092,182	35	382,264	9 55	308,775	75,489	
Cumberl'd.	29,806	82	24,441	35	855,435	31	265,185	8 15	199,194	65,991	
DeKalb....	115,281	104	119,892	38	4,555,896	36	1,640,122	10 80	1,294,834	345,288	
DeWitt....	79,503	90	71,553	30	2,146,590	30	643,977	8 45	604,623	39,354	
Douglas...	74,290	100	74,290	39	2,897,310	30	869,193	10 45	776,330	92,863	
DuPage....	31,773	105	33,362	42	1,401,204	35	490,421	13 05	435,374	55,047	
Edgar.....	117,558	87	102,275	37	3,784,175	34	1,286,619	8 55	874,451	412,168	
Edwards...	19,281	81	15,618	23	359,214	41	147,278	9 00	140,562	6,716	
Effingham.	37,547	105	39,424	22	867,328	34	294,891	11 30	445,491		150,600
Fayette....	51,152	98	50,129	18	902,322	41	369,952	10 10	506,303		136,351
Ford.....	126,855	97	123,049	30	3,691,470	32	1,181,270	9 55	1,150,508	30,762	
Franklin...	19,847	96	19,053	27	514,431	40	205,772	8 45	160,998	44,774	
Fulton....	110,017	103	113,317	35	3,966,095	31	1,229,489	10 55	1,195,494	33,995	
Gallatin...	27,117	90	24,405	22	536,910	40	214,764	10 80	263,574		48,810
Greene....	53,514	97	51,908	45	2,335,860	35	817,551	13 45	698,163	119,388	
Grundy....	91,486	115	105,209	28	2,945,852	35	1,031,048	9 90	1,041,569		10,521
Hamilton..	24,748	98	23,758	20	475,160	40	190,064	8 50	201,943		11,879
Hancock...	125,192	100	125,192	39	4,882,488	33	1,611,221	9 45	1,183,064	428,157	
Hardin....	9,455	103	9,739	22	214,258	35	74,990	9 65	93,981		18,991
Henderson.	68,836	103	70,901	43	3,048,743	28	853,648	9 40	666,469	187,179	
Henry.....	193,637	105	203,319	34	6,912,846	30	2,073,854	11 80	2,399,164		325,310
Iroquois...	249,194	96	239,226	22	5,262,972	34	1,789,410	8 40	2,009,498		220,088
Jackson...	27,265	85	23,175	17	393,975	51	200,927	13 35	209,386		108,459
Jasper.....	29,685	96	28,498	35	997,430	36	359,075	8 80	250,782	108,293	
Jefferson..	35,265	97	34,207	19	649,933	47	305,468	9 65	330,097		24,629
Jersey....	34,448	102	35,137	31	1,089,247	36	392,129	11 30	418,130		26,001
JoDavies..	55,027	100	55,027	41	2,256,107	32	721,954	12 85	707,097	14,857	
Johnson...	20,186	100	20,186	27	545,022	35	190,758	8 55	172,590	18,168	
Kane.....	50,365	102	51,372	37	1,900,764	36	684,275	13 60	698,659		14,384
Kankakee..	127,750	90	114,975	25	2,874,375	34	977,287	9 30	1,069,267		91,980
Kendall...	73,894	103	76,111	39	2,968,329	33	979,548	10 80	821,999	157,549	
Knox.....	151,065	106	160,129	38	6,084,902	30	1,825,471	11 70	1,873,509		48,038
Lake.....	22,293	96	21,401	41	877,441	38	333,427	13 35	285,703	47,724	
LaSalle....	252,569	99	250,043	35	8,751,505	36	3,150,542	11 25	2,812,983	337,559	
Lawrence..	31,562	88	27,774	33	916,542	45	412,444	10 65	295,793	116,651	
Lee.....	703,809	111	115,228	33	3,802,524	34	1,292,858	10 20	1,176,326	117,532	

CORN—Continued.

Table showing Acreage, Yield in Bushels, Value of Crop, etc., for 1880.

Counties.	Acreage 1879, returned by assessors.....	Per cent. of increase or decrease.....	Acreage 1880	Yield per acre in bushels	Total yield in bushels..	Price per bushel—cents	Value of crop.....	Cost of production per acre.....	Total cost of production	Profit on crop.....	Loss on crop.....
Livingston	272,756	92	250,935	19	4,767,765	32	\$1,525,635	\$10 10	\$2,534,443		\$1,008,758
Logan....	156,119	97	151,435	35	5,300,225	30	1,590,067	9 25	1,400,773	\$189,294	
Macon....	119,423	93	111,063	43	4,775,709	33	1,575,984	10 95	1,216,140	359,844	
Macoupin..	102,827	85	87,403	40	3,496,120	30	1,048,836	10 20	891,511	157,325	
Madison...	89,576	93	83,306	27	2,249,262	39	877,212	12 50	1,041,325		164,113
Marion....	39,732	96	38,143	13	495,859	40	198,344	8 95	341,380		143,036
Marshal....	79,611	107	85,184	41	3,492,544	35	1,222,390	10 80	919,987	302,403	
Mason....	*67,599	91	61,515	20	1,230,300	35	430,605	8 50	522,877		92,272
Massac....	15,318	100	15,348	28	429,744	43	184,790	14 50	222,546		37,756
McDon'gh..	99,440	102	101,429	32	3,245,728	32	1,038,633	11 20	1,136,005		97,372
McHenry...	55,383	107	59,260	44	2,607,440	36	938,678	11 50	681,490	257,188	
McLean....	272,137	97	263,973	31	8,183,163	32	2,618,612	9 50	2,507,743	110,869	
Menard....	60,052	95	57,049	31	1,768,519	30	530,556	10 65	607,572		77,016
Mercer....	105,944	106	112,301	42	4,716,642	28	1,320,660	11 00	1,235,311	85,349	
Monroe....	17,882	99	17,703	33	584,199	39	227,837	13 70	242,531		14,694
Montgo'my	105,047	73	76,684	33	2,530,572	32	809,783	9 10	697,824	111,959	
Morgan....	101,297	98	99,271	42	4,169,382	30	1,250,815	10 65	1,057,236	193,579	
Moultrie...	58,520	86	50,327	34	1,711,118	30	513,335	9 50	478,106	35,229	
Ogle.....	114,314	100	114,314	40	4,572,560	34	1,554,670	9 55	1,091,699	462,971	
Peoria....	120,423	110	132,465	40	5,298,600	33	1,748,538	11 05	1,463,738	284,800	
Perry....	11,633	101	11,633	12	139,596	50	69,798	8 15	94,709		25,011
Piatt.....	97,153	93	90,352	33	2,981,616	31	924,301	10 20	921,590	2,711	
Pike.....	73,120	87	63,614	22	1,399,508	42	587,793	11 90	757,007		169,214
Pope.....	23,241	100	23,241	27	627,507	40	251,003	10 70	248,679	2,324	
Pulaski....	11,880	100	11,880	25	297,000	50	148,500	12 65	150,282		1,782
Putnam....	30,556	102	31,167	40	1,246,680	33	411,404	10 15	316,345	95,059	
Randolph..	27,907	105	29,302	27	791,154	55	435,135	10 30	301,811	133,324	
Richland..	26,334	96	25,281	15	379,215	40	151,686	9 45	238,905		87,219
Rock Isl'd	65,053	103	67,004	32	2,144,128	30	643,238	12 35	827,499		184,201
Saline....	21,947	80	17,558	20	351,160	35	122,906	8 40	147,487		24,581
Sangamon..	155,346	88	136,704	36	4,921,344	30	1,476,403	11 50	1,572,096		95,693
Schuyler...	44,887	99	44,438	32	1,422,016	36	511,926	10 80	479,930	31,996	
Scott.....	30,096	91	27,387	39	1,068,093	34	363,152	10 60	290,302	72,850	
Shelby....	88,509	87	77,003	36	2,772,108	31	859,353	11 00	847,033	12,320	
Stark.....	68,705	101	69,392	37	2,567,504	33	847,276	10 90	756,373	90,903	
St. Clair...	43,960	100	43,960	37	1,626,520	50	813,260	15 25	670,390	142,870	
Stephens'n	77,551	105	81,743	38	3,106,234	34	1,056,119	10 00	817,430	238,689	
Tazewell...	123,239	96	118,309	34	4,022,506	33	1,327,427	9 20	1,088,443	238,984	
Union.....	19,775	100	19,775	30	593,250	42	249,165	*10 55	208,626	40,539	
Vermilion.	151,337	93	140,743	43	6,051,949	32	1,936,624	9 65	1,358,169	578,455	
Wabash....	16,882	91	15,363	22	337,986	37	125,055	10 95	168,225		43,170
Warren....	121,803	105	127,893	39	4,987,827	29	1,446,470	13 05	1,669,004		222,534
Washington	31,240	100	31,240	13	406,120	50	203,060	9 15	285,844		82,786
Wayne....	42,002	84	35,282	20	705,640	46	324,594	8 45	298,133	26,461	
White....	49,070	100	49,070	18	883,260	41	362,137	9 95	488,246		126,109
Whiteside.	113,278	112	126,871	35	4,440,485	30	1,332,145	10 25	1,300,428	31,717	
Will.....	131,228	102	133,852	36	4,818,672	37	1,782,908	11 05	1,479,065	303,843	
Williams'n	21,949	95	20,851	19	396,169	40	158,467	9 60	200,170		41,708
Winnebago	72,981	103	75,170	39	2,931,630	34	996,754	10 05	755,458	241,296	
Woodford..	117,084	98	114,742	27	3,098,034	33	1,022,351	10 10	1,153,894		136,543
Total....	7,801,900	97	7,574,545	33	250,697,036	33	\$83,757,039	\$10 50	\$79,411,857	\$8,834,845	\$4,489,663

* Estimated.

WINTER GRAIN.

Counties.	WINTER WHEAT.				WINTER RYE.			
	*Acreage 1880	Per ct. of increase or decrease.....	Acreage 1881 crop	Average condition Dec. 20, 1880	*Acreage 1880.....	Per ct. of increase or decrease.....	Acreage 1881 crop	Average condition Dec. 20, 1880
Adams.....	63,611	105	66,791	98	715	100	715	100
Alexander.....	7,948	106	8,425	88	4	110	4	100
Bond.....	32,327	106	34,267	82				
Boone.....	1,159	99	1,147	97	1,765	90	1,588	94
Brown.....	24,202	110	26,622	105	306	93	284	100
Bureau.....	660	100	660	91	1,802	105	1,892	100
Calhoun.....	18,897	96	18,141	86	6	100	6	90
Carroll.....	7,805	60	4,683	100	4,828	105	5,069	100
Cass.....	20,831	106	22,081	100	508	100	508	100
Champaign.....	19,712	121	23,851	106	2,871	100	2,871	108
Christian.....	82,321	102	83,967	100	494	89	440	96
Clark.....	51,197	105	53,757	80	191	90	172	90
Clay.....	32,413	96	31,116	72	225	92	207	88
Clinton.....	85,228	95	80,967	86	74	100	74	100
Coles.....	33,272	110	36,599	95	253	75	190	100
Cook.....	232	112	260	100	1,098	100	1,098	102
Crawford.....	47,636	102	48,589	92	99	92	91	100
Cumberland.....	28,400	102	28,968	103	265	102	270	100
DeKalb.....	108	81	87	106	806	103	830	100
DeWitt.....	8,713	135	11,762	112	2,601	112	2,913	112
Douglas.....	33,477	110	36,825	96	871	93	810	98
DuPage.....	316	75	237	125	1,539	128	1,970	112
Edgar.....	47,339	110	52,073	102	449	100	449	....
Edwards.....	26,164	92	24,071	82				
Effingham.....	46,863	102	47,800	95	407	100	407	100
Fayette.....	56,980	106	60,399	93	301	100	301	90
Ford.....	295	100	295	100	928	90	835	....
Franklin.....	28,303	105	29,718	77	8	100	8	....
Fulton.....	36,807	88	32,390	60	6,829	92	6,283	80
Gallatin.....	21,139	103	21,773	85	41	90	37	80
Greene.....	58,018	95	55,117	87	47	100	47	....
Grundy.....	80	100	80	120	1,678	97	1,628	110
Hamilton.....	36,800	100	36,800	90	21	100	21	....
Hancock.....	27,953	97	27,114	96	2,694	98	2,640	95
Hardin.....	4,815	100	4,815	87	35	100	35	100
Henderson.....	4,119	86	3,542	100	2,869	102	2,926	102
Henry.....	484	100	484	100	4,559	106	4,832	110
Iroquois.....	4,510	106	4,781	100	3,628	93	3,374	96
Jackson.....	51,403	92	47,291	86	80	93	74	85
Jasper.....	25,428	100	25,428	100	212	85	180	100
Jefferson.....	54,996	86	47,296	76	99	100	99	85
Jersey.....	51,747	101	52,264	92	10	91	9	91
JoDavies.....	8,689	72	6,256	86	2,146	87	1,867	96
Johnson.....	20,374	100	20,374	82	9	100	9	....
Kane.....	205	82	168	100	1,495	100	1,495	100
Kankakee.....	2,309	105	2,424	91	2,347	89	2,089	90
Kendall.....	142	88	125	87	318	111	353	93
Knox.....	5,182	102	5,286	102	4,724	112	5,291	101
Lake.....	22	100	22	93	451	90	406	87
LaSalle.....	529	121	640	103	3,252	93	3,024	101
Lawrence.....	43,921	95	41,725	85	128	100	128	100
Lee.....								

WINTER GRAIN—Continued.

Counties.	WINTER WHEAT.				WINTER RYE.			
	*Acreage 1881.....	Per ct. of increase or decrease.....	Acreage 1881 crop	Average condition Dec. 20, 1880	*Acreage 1880.....	Per ct. of increase or decrease.....	Acreage 1881 crop	Average condition Dec. 20, 1880
Livingston.....	643	50	321	100	6,405	70	4,483	100
Logan.....	23,701	115	27,256	100	1,577	93	1,466	100
Macon.....	22,802	108	24,626	95	1,199	96	1,151	100
Macoupin.....	114,424	116	132,732	100	200	100	200	100
Madison.....	141,576	105	148,655	96	56	75	42	97
Marion.....	38,524	82	31,590	87	443	+100	443	80
Marshall.....	621	95	590	100	2,239	86	1,925	100
Mason.....	9,456	110	10,402	100				
Massac.....	20,838	106	22,088	103	3	+100	3	....
McDonough.....	10,073	95	9,569	85	4,320	83	3,585	85
McHenry.....	597	100	597	100	1,080	100	1,080	94
McLean.....	11,635	107	12,449	88	8,205	88	7,220	98
Menard.....	18,947	109	20,652	93	325	93	302	100
Mercer.....	392	101	396	100	3,131	100	3,131	100
Monroe.....	62,468	105	65,591	92	24	96	23	93
Montgomery.....	138,611	106	146,928	81	1,171	90	1,054	100
Morgan.....	61,603	108	66,531	100	5,023	100	5,023	100
Moultrie.....	19,452	109	21,203	95	493	80	394	100
Ogle.....	5,807	105	6,097	99	4,052	105	4,254	100
Peoria.....	5,838	88	5,137	76	5,821	82	4,773	75
Perry.....	37,279	96	35,788	100	23	110	25	110
Piatt.....	7,999	116	9,279	91	1,690	93	1,572	91
Pike.....	105,048	102	107,149	97	144	+100	144	....
Pope.....	18,870	85	18,039	100	20	+100	20	....
Pulaski.....	12,354	100	12,354	106				
Putnam.....	354	100	354	100	891	93	829	100
Randolph.....	88,662	107	94,868	105	16	95	15	75
Richland.....	41,561	105	43,639	82	11	90	10	90
Rock Island.....	255	82	209	100	3,110	151	4,696	101
Saline.....	21,235	80	16,988	105	4	+100	4	....
Sangamon.....	56,859	104	59,133	108	1,468	100	1,468	103
Schuyler.....	34,575	98	33,883	96	643	100	643	100
Scott.....	23,462	101	23,697	92	54	95	51	95
Shelby.....	62,112	105	65,217	93	1,102	100	1,102	90
Stark.....	103	75	77	80	1,394	95	1,324	100
St. Clair.....	129,149	100	129,149	93	17	100	17	100
Stephenson.....	8,138	98	7,975	96	8,549	100	8,549	96
Tazewell.....	20,383	108	22,014	78	4,378	100	4,378	95
Union.....	27,940	105	29,337	72	4	100	4	100
Vermilion.....	59,507	132	78,549	110	871	105	914	100
Wabash.....	27,085	95	25,731	88	42	+100	42	....
Warren.....	1,326	80	1,061	98	1,681	100	1,681	98
Washington.....	82,813	100	82,813	95	82	100	82	95
Wayne.....	44,400	85	37,740	65	103	100	103	100
White.....	60,453	97	58,639	91	19	100	19	100
Whiteside.....	640	50	320	102	2,880	87	2,505	102
Will.....	732	88	644	100	1,527	87	1,328	100
Williamson.....	26,531	101	26,796	80	10	75	7	75
Winnebago.....	2,541	110	2,795	102	7,572	83	6,285	96
Woodford.....	3,631	100	3,631	100	4,584	100	4,584	100
Total.....	2,970,086	102	3,049,631	..	149,742	92	138,802	....

* Crop Report August 1, 1880.

† Estimated.

PASTURES.

Counties	Acreage 1879, returned by assessors	Per cent. of increase or decrease	Acreage 1880.	Value per acre	Total value 1880.	Total value 1879.
Adams.....	44,366	90	39,929	\$4 05	\$161,712	\$193,842
Alexander.....	112	100	112	2 75	308	2,436
Bond.....	*21,249	97	20,611	2 00	41,222	45,685
Boone.....	41,423	100	41,423	3 75	155,336	158,470
Brown.....	24,422	101	24,666	2 85	70,298	29,001
Bureau.....	107,813	103	111,047	4 75	527,473	365,048
Calhoun.....	2,909	102	2,967	4 00	11,868	8,795
Carroll.....	56,305	75	42,229	3 75	158,358	220,400
Cass.....	15,853	98	15,536	3 50	54,376	55,902
Champaign.....	85,040	100	85,040	3 00	255,120	273,206
Christian.....	53,226	98	52,161	3 75	195,604	117,313
Clark.....	22,284	102	22,730	2 80	63,644	73,920
Clay.....	13,587	96	13,043	1 85	24,129	21,756
Clinton.....	26,679	104	27,746	3 50	97,111	97,957
Colts.....	37,827	96	36,314	2 15	78,075	229,918
Cook.....	85,153	96	81,747	3 15	257,503	260,724
Crawford.....	26,142	100	26,142	2 10	54,898	41,658
Cumberland.....	22,277	98	21,831	1 65	36,021	49,148
DeKalb.....	111,104	100	111,104	3 75	416,640	299,633
DeWitt.....	33,923	93	31,548	3 00	94,644	44,454
Douglas.....	50,557	100	50,557	4 50	227,506	154,692
DuPage.....	47,025	96	45,144	3 50	158,004	142,370
Edgar.....	106,497	97	103,802	4 85	501,015	255,441
Edwards.....	6,720	102	6,854	2 00	13,708	18,947
Effingham.....	19,178	100	19,178	2 00	38,356	35,950
Fayette.....	20,730	103	21,352	2 00	42,704	62,270
Ford.....	28,545	104	29,687	3 00	89,061	72,744
Franklin.....	2,039	98	1,998	2 50	4,995	19,778
Fulton.....	1,225	96	1,176	3 35	3,940	84,967
Gallatin.....	2,771	96	2,660	2 85	7,581	5,592
Greene.....	46,572	122	56,818	4 00	227,272	120,719
Grundy.....	54,143	106	57,391	2 25	129,180	160,787
Hamilton.....	2,960	100	2,960	2 35	6,956	14,004
Hancock.....	53,296	100	53,296	4 00	213,184	176,823
Hardin.....	2,422	100	2,422	4 00	9,688	17,220
Henderson.....	48,053	95	45,650	4 00	182,600	125,348
Henry.....	97,011	97	94,101	3 70	348,174	447,715
Iroquois.....	93,089	103	95,888	2 00	191,776	152,969
Jackson.....	4,850	100	4,850	6 00	29,100	14,322
Jasper.....	10,054	102	10,255	1 10	11,280	18,074
Jefferson.....	17,670	95	16,786	2 50	41,965	43,726
Jersey.....	22,879	120	27,455	3 50	96,092	60,404
JoDavless.....	58,138	96	55,812	3 15	175,808	190,729
Johnson.....	4,136	100	4,136	3 00	12,408	11,396
Kane.....	79,083	100	79,083	3 50	276,790	277,781
Kankakee.....	58,085	100	58,085	2 25	130,691	142,525
Kendall.....	51,121	100	51,121	3 50	178,923	198,048
Knox.....	139,263	102	142,048	3 25	461,656	51,730
Lake.....	51,862	97	50,306	2 50	125,765	125,926
LaSalle.....	104,331	100	104,331	3 50	365,158	389,830
Lawrence.....	12,420	103	12,793	4 25	54,370	25,389
Lee.....	*58,728	97	56,966	3 00	170,898	234,912

PASTURES—Continued.

Counties.	Acreage 1879, returned by assessors	Per cent. of increase or decrease.....	Acreage 1880.	Value per acre.....	Total value 1880.	Total value 1879.
Livingston.....	74,464	107	79,676	\$3 75	\$298,785	\$189,903
Logan.....	49,865	91	45,377	3 50	158,819	179,491
Macon.....	46,835	100	46,835	2 75	128,796	169,417
Macoupin.....	29,126	101	29,417	3 75	110,314	220,889
Madison.....	29,596	100	29,596	3 75	110,985	100,371
Murion.....	23,632	100	23,632	2 00	47,264	78,315
Marshall.....	33,694	103	34,705	3 85	133,614	104,606
Mason.....	*7,295	100	7,295	5 00	36,475	3,770
Massac.....	2,404	103	2,476	*3 30	8,171	5,878
McDonough.....	19,062	91	17,346	4 35	75,455	88,095
McHenry.....	118,695	102	121,344	3 50	424,704	106,026
McLean.....	142,033	99	140,613	2 80	393,716	379,585
Menard.....	38,009	95	36,108	3 60	129,989	72,403
Mercer.....	75,984	97	73,704	4 30	316,927	263,196
Monroe.....	5,508	102	5,618	4 50	25,281	26,978
Montgomery.....	60,014	96	57,613	2 00	115,226	116,401
Morgan.....	89,439	92	82,284	3 65	300,336	231,942
Moultrie.....	34,400	97	33,368	3 00	100,104	87,949
Ogle.....	70,525	97	68,405	3 00	205,215	196,302
Peoria.....	54,916	88	48,326	4 25	205,385	119,566
Perry.....	4,868	100	4,868	2 00	9,736	10,496
Piatt.....	42,121	105	44,277	2 70	119,548	128,634
Pike.....	85,800	95	81,510	3 00	244,530	104,696
Pope.....	8,873	96	8,518	5 00	42,590	27,520
Pulaski.....	700	103	721	4 25	306,425	2,021
Putnam.....	16,504	100	16,504	2 50	41,260	40,447
Randolph.....	9,177	101	9,269	3 00	27,807	39,908
Richland.....	13,253	93	12,325	4 00	49,500	55,666
Rock Island.....	47,164	103	48,579	3 25	157,882	174,195
Saline.....	1,649	100	1,649	2 00	3,298	1,581
Sangamon.....	129,092	94	121,346	3 30	400,442	387,309
Schuyler.....	22,467	100	22,467	2 00	44,934	69,660
Scott.....	17,383	88	15,297	4 25	65,012	53,921
Shelby.....	50,197	95	47,687	2 00	95,374	100,561
Stark.....	32,644	97	31,665	4 00	126,660	112,395
St. Clair.....	13,642	96	13,096	5 50	72,028	45,272
Stephenson.....	49,070	85	41,709	3 75	156,409	129,620
Tazewell.....	44,424	100	44,424	5 00	222,120	126,649
Union.....	4,796	100	4,796	5 00	23,980	19,775
Vermilion.....	107,781	91	98,081	4 00	392,324	237,731
Wabash.....	4,733	100	4,733	3 15	14,909	18,812
Warren.....	79,680	100	79,680	3 10	247,008	208,392
Washington.....	13,578	102	13,849	2 50	34,622	20,316
Wayne.....	26,838	100	26,838	2 00	53,676	51,718
White.....	8,916	106	9,451	2 75	25,990	15,994
Whiteside.....	77,609	100	77,609	2 75	213,425	279,198
Will.....	110,577	98	108,365	2 85	308,840	366,657
Williamson.....	3,581	100	3,581	5 00	17,905	73,125
Winnebago.....	63,941	97	62,023	3 50	217,080	189,174
Woodford.....	46,014	100	46,014	3 25	149,545	94,770
Total.....	4,329,985	98	4,257,054	\$3 40	\$14,491,114	\$12,319,620

*Estimated.

* ORCHARDS.

Counties.	Acreage 1879, re- turned by assessors	Per cent. of increase or decrease.....	Acreage, 1880.....	Value of product per acre.....	Total value of pro- duct, 1880.....	Total value of pro- duct, 1879.....
Adams.....	6,609	112	7,402	\$35 00	\$259,070	\$68,400
Alexander.....	552	86	475	18 45	8,764	2,737
Bond.....	+2,436	100	2,436	50 00	121,800	24,360
Boone.....	1,338	99	1,325	15 00	19,875	28,548
Brown.....	1,831	110	2,014	18 35	36,957	6,014
Bureau.....	6,796	125	8,495	23 35	198,358	23,815
Calhoun.....	2,493	101	2,518	12 00	30,216	9,440
Carroll.....	1,477	125	1,846	50 00	92,300	13,579
Cass.....	1,172	100	1,172	40 00	46,880	4,092
Champaign.....	4,988	101	5,038	25 00	125,950	29,802
Christian.....	4,672	105	4,905	19 60	96,138	54,411
Clark.....	2,189	105	2,298	15 00	34,470	20,730
Clay.....	1,593	80	1,274	40 00	50,960	19,070
Clinton.....	2,600	100	2,600	25 00	65,000	21,390
Coles.....	+2,606	118	3,075	9 00	27,675	26,060
Cook.....	4,295	100	4,295	50 00	214,750	73,440
Crawford.....	1,776	107	1,900	40 00	76,000	26,100
Cumberland.....	1,423	100	1,423	25 00	35,575	16,158
DeKalb.....	4,015	102	4,065	36 65	150,082	29,295
DeWitt.....	2,048	100	2,048	40 00	81,920	13,253
Douglas.....	1,931	97	1,873	50 00	93,650	40,820
DuPage.....	2,645	127	3,359	17 50	58,782	42,300
Edgar.....	3,463	92	3,186	29 00	92,394	31,573
Edwards.....	1,393	100	1,393	30 00	41,790	8,189
Effingham.....	1,729	100	1,729	9 00	15,561	26,700
Fayette.....	2,339	105	2,456	14 00	34,384	23,409
Ford.....	2,039	100	2,039	15 00	30,585	21,736
Franklin.....	1,500	87	1,305	50 00	65,250	13,648
Fulton.....	4,899	+100	4,899	17 50	85,732	28,589
Gallatin.....	1,104	100	1,104	8 00	8,832	4,557
Greene.....	2,145	100	2,145	18 50	39,682	25,922
Grundy.....	2,188	98	2,144	27 65	59,282	8,487
Hamilton.....	2,170	76	1,649	35 00	57,715	16,667
Hancock.....	6,848	100	6,848	20 00	136,960	73,740
Hardin.....	868	100	868	22 50	19,530	2,768
Henderson.....	1,489	103	1,534	12 00	18,408	3,482
Henry.....	4,092	100	4,092	27 50	112,530	21,985
Iroquois.....	5,020	86	4,317	31 00	133,827	73,065
Jackson.....	3,892	103	4,009	19 00	76,170	55,425
Jasper.....	1,303	107	1,394	17 50	24,395	10,177
Jefferson.....	3,132	105	3,288	22 50	73,980	35,332
Jersey.....	2,228	98	2,183	35 00	76,405	14,041
JoDaviss.....	1,997	100	1,997	17 50	34,947	18,513
Johnson.....	1,814	105	1,905	27 50	52,387	10,384
Kane.....	2,709	115	3,115	22 50	70,087	12,545
Kankakee.....	1,893	91	1,723	15 50	26,706	7,395
Kendall.....	3,891	112	4,358	15 00	65,370	21,224
Knox.....	5,344	101	5,397	43 00	232,071	26,448
Lake.....	2,909	103	2,996	27 65	82,839	18,175
LaSalle.....	6,453	96	6,195	22 00	136,290	22,519
Lawrence.....	2,383	105	2,502	30 00	75,060	12,408
Lee.....	+3,688	100	3,688	10 65	39,277	29,504
Livingston.....	4,610	105	4,840	12 00	58,080	75,915

*ORCHARDS—Continued.

Counties.	Acreage 1879, re- turned by assessors	Per cent. of increase or decrease.....	Acreage, 1880.....	Value of product per acre.....	Total value of pro- duct, 1880.....	Total value of pro- duct, 1879.....
Logan.....	2,121	101	2,142	\$50 00	\$107,100	\$16,440
Macon.....	2,995	100	2,995	70 00	209,650	53,584
Macoupin.....	5,474	100	5,474	23 50	128,639	85,185
Madison.....	6,892	100	6,892	22 50	155,070	31,680
Marion.....	3,583	90	3,225	†26 25	84,656	20,529
Marshall.....	2,569	100	2,569	17 50	44,957	30,975
Mason.....	†1,699	100	1,699	15 00	25,485	5,097
Massac.....	1,462	105	1,535	17 50	26,862	2,744
McDonough.....	2,575	100	2,575	28 75	74,031	25,310
McHenry.....	3,374	92	3,104	55 00	170,720	43,884
McLean.....	7,416	102	7,564	65 00	491,660	71,507
Menard.....	1,691	100	1,691	16 50	27,901	5,392
Mercer.....	3,798	102	3,874	18 00	69,732	36,501
Monroe.....	1,490	105	1,564	15 00	23,460	15,938
Montgomery.....	4,740	75	3,555	12 50	44,437	37,200
Morgan.....	3,764	100	3,764	28 35	106,709	15,300
Moultrie.....	2,206	82	1,809	60 00	108,540	15,809
Ogle.....	2,978	100	2,978	13 35	39,756	12,100
Peoria.....	3,228	108	3,486	20 00	69,720	17,647
Perry.....	712	100	712	20 00	14,240	10,170
Piatt.....	2,205	102	2,249	20 00	44,980	18,841
Pike.....	4,469	100	4,469	20 00	89,880	29,775
Pope.....	2,317	100	2,317	20 00	46,340	17,767
Pulaski.....	2,045	102	2,086	20 00	41,720	7,925
Putnam.....	1,107	100	1,107	12 00	13,284	3,783
Randolph.....	2,876	100	2,876	25 00	71,900	23,340
Richland.....	2,493	100	2,493	35 00	49,860	19,089
Rock Island.....	3,121	100	3,121	28 35	88,480	9,695
Saline.....	1,040	110	1,144	30 00	34,320	2,640
Sangamon.....	4,260	101	4,302	27 65	118,950	24,730
Schuyler.....	2,507	98	2,457	10 00	24,570	11,120
Scott.....	806	88	709	20 00	14,180	6,762
Shelby.....	3,573	75	2,680	17 50	46,900	16,464
Stark.....	1,413	102	1,441	30 50	43,950	13,310
St. Clair.....	5,537	100	5,537	22 50	124,582	60,060
Stephenson.....	2,942	98	2,883	21 50	61,984	11,615
Tazewell.....	3,532	101	3,567	25 00	89,175	20,218
Union.....	3,843	105	4,035	40 00	161,400	26,304
Vermilion.....	3,839	112	4,299	35 00	150,465	45,975
Wabash.....	1,590	110	1,749	30 00	52,470	7,117
Warren.....	2,740	108	2,959	47 00	139,073	15,678
Washington.....	2,273	110	2,500	37.50	93,750	11,165
Wayne.....	3,122	100	3,122	24 00	74,928	50,666
White.....	2,484	112	2,782	15 00	41,730	3,432
Whiteside.....	3,760	125	4,700	26 50	124,550	18,681
Will.....	5,385	103	5,546	27 50	152,515	67,232
Williamson.....	2,084	100	2,084	20 00	41,680	11,830
Winnebago.....	2,668	125	3,335	25 00	83,375	31,995
Woodford.....	3,084	103	3,176	9 75	30,966	29,150
Total.....	300,899	101	306,096	\$26 70	\$8,176,480	\$2,497,687

* Apple, peach, pear and vineyards.

† Estimated.

IRISH POTATOES.

Counties.	Acres returned by assessors 1879.	Per cent. of increase or decrease.	Acreage 1880.	Yield per acre in bushels.	Total yield in bushels.	Price per bushel—cts	Value of crop.	Cost of production per acre.	Total cost of production.	Profit on crop.	Loss on crop.
Adams.....	1,895	100	1,895	73	138,335	68	\$94,068	\$15 65	\$29,657	\$64,411	
Alexander.....	151	93	140	105	14,700	57	8,379	18 35	2,569	5,810	
Bond.....		103		60		58		19 65			
Boone.....	469	100	469	96	45,024	35	15,758	23 95	11,232	4,526	
Brown.....	348	106	369	100	36,900	70	25,830	17 30	6,384	19,446	
Bureau.....	1,657	101	1,673	62	103,726	52	53,937	19 10	31,954	21,983	
Calhoun.....	310	95	294	20	5,880	70	4,116	21 80	6,49		\$2,293
Carroll.....	837	98	820	50	41,000	67	27,470	31 65	25,953	1,517	
Cass.....	219	105	230	75	17,250	77	13,282	22 30	5,129	8,153	
Champaign.....	1,706	106	1,808	44	79,552	50	39,776	20 10	36,341	3,435	
Christian.....	851	105	893	75	66,975	52	34,827	19 15	17,101	17,726	
Clark.....	401	98	393	52	20,436	56	11,444	21 15	8,312	3,132	
Clay.....	123	108	133	46	6,118	48	2,937	17 40	2,314	623	
Clinton.....	682	105	716	43	30,788	65	20,012	22 20	15,895	4,117	
Coles.....	661	90	595	75	44,625	53	23,651	17 10	10,174	13,477	
Cook.....	9,677	101	9,774	61	596,214	60	357,728	17 15	167,624	190,104	
Crawford.....	322	107	344	96	33,024	65	21,465	17 80	6,123	15,342	
Cumberland.....	183	100	183	61	11,163	56	6,251	14 15	2,589	3,662	
DeKalb.....	1,604	96	1,540	47	72,380	52	37,638	23 35	35,959	1,679	
DeWitt.....	528	97	518	50	15,900	67	10,653	15 20	4,833	5,820	
Douglas.....	168	101	170	86	14,620	56	8,187	18 50	3,145	5,042	
DuPage.....	3,349	108	3,617	98	354,446	63	223,801	31 85	115,201	108,100	
Edgar.....	457	98	448	96	43,008	60	25,305	15 65	7,011	18,794	
Edwards.....	114	100	114	40	4,560	56	2,553	16 50	1,881	672	
Effingham.....	427	100	427	80	34,160	45	15,372	21 90	9,351	6,021	
Fayette.....	208	100	208	95	19,760	50	9,880	23 05	4,794	5,086	
Ford.....	393	89	350	40	14,000	80	11,200	19 10	6,635	4,515	
Franklin.....	36	106	38	30	1,140	55	627	16 15	614	13	
Fulton.....	770	107	824	*68	56,032	62	34,740	15 70	12,937	21,803	
Gallatin.....	174	100	174	75	13,050	53	7,908	19 80	3,445	3,863	
Greene.....	181	111	201	75	15,075	76	11,457	17 25	3,467	7,990	
Grundy.....	492	101	497	105	52,185	70	36,529	18 75	9,319	27,210	
Hamilton.....	114	100	114	83	9,462	65	6,150	22 30	2,542	3,608	
Hancock.....	1,210	105	1,270	58	73,660	42	30,937	23 60	29,972	965	
Hardin.....	1,301	97	1,262	62	78,244	45	35,210	18 45	23,284	11,926	
Henderson.....	124	102	126	36	4,536	67	3,039	18 55	2,337	702	
Henry.....	1,126	95	1,070	42	44,940	68	30,559	20 70	22,149	8,410	
Iroquois.....	1,460	103	1,460	22	32,120	71	22,805	25 30	36,938		14,133
Jackson.....	430	191	434	100	43,400	75	32,550	23 95	10,394	22,156	
Jasper.....	354	100	354	65	23,010	43	9,894	15 55	5,505	4,389	
Jefferson.....	232	90	209	62	12,958	55	7,127	17 25	3,605	3,522	
Jersey.....	309	110	340	112	38,080	70	26,656	20 95	7,113	19,533	
JoDavies.....	1,650	100	1,650	95	156,750	37	57,997	18 70	30,855	27,142	
Johnson.....	171	100	171	45	7,695	45	3,463	18 25	3,121	342	
Kane.....	1,250	103	1,287	92	118,404	50	59,202	22 55	29,022	30,150	
Kankakee.....	1,081	85	919	46	42,274	63	26,633	26 00	23,894	2,739	
Kendall.....	692	101	699	99	69,201	56	38,752	21 90	15,908	23,444	
Knox.....	1,259	105	1,322	54	71,888	63	44,974	*20 55	27,167	17,807	
Lake.....	1,724	98	1,689	100	168,900	56	94,584	19 50	32,935	61,649	
LaSalle.....	2,804	100	2,804	70	196,280	54	105,991	21 40	60,006	45,885	
Lawrence.....	292	96	280	118	33,040	45	14,868	18 45	5,166	9,702	
Lee.....		98		66		55		18 35			
Livingston.....	1,621	96	1,556	50	77,800	76	59,128	22 45	34,932	24,196	

IRISH POTATOES—Continued.

Counties.	Acreage returned by assessors 1873.....	Per cent. of increase or decrease.....	Acreage 1880.....	Yield per acre in bushels.....	Total yield in bushels.....	Price per bushel—cts	Value of crop.....	Cost of production per acre.....	Total cost of production.....	Profit on crop.....	Loss on crop.....
Logan.....	624	104	649	46	29,854	70	\$20,898	\$19 80	\$12,850	\$8,048	
Macon.....	938	101	947	63	59,661	50	29,830	20 75	19,650	10,180	
Macoupin.....	367	112	411	75	30,825	68	20,961	19 95	8,199	12,762	
Madison.....	4,719	100	4,719	57	268,983	53	142,561	19 30	91,077	51,484	
Marion.....	170	107	182	100	18,200	55	10,010	15 15	2,757	7,253	
Marshall.....	415	101	419	43	18,017	65	11,711	22 15	9,281	2,430	
Mason.....	.....	100	.....	30	.....	60	.....	20 30	.....	.....	.....
Massac.....	223	75	167	38	6,346	78	4,950	13 45	2,246	2,704	
McDonough.....	576	101	582	63	36,666	68	24,933	22 35	13,008	11,925	
McHenry.....	1,796	93	1,670	141	235,470	42	98,897	19 85	53,149	65,748	
McLean.....	1,734	104	1,803	60	108,180	82	88,708	23 90	43,092	45,616	
Menard.....	310	106	328	72	23,616	73	17,240	24 00	7,872	9,368	
Mercer.....	915	106	970	48	46,560	47	21,883	20 50	19,885	1,998	
Monroe.....	978	101	988	117	115,596	52	60,110	22 85	22,576	37,534	
Montgomery.....	457	104	475	76	36,100	57	20,577	19 05	9,049	11,528	
Morgan.....	2,500	100	2,500	*68	170,000	60	102,000	21 30	53,250	48,750	
Moultrie.....	225	103	232	110	25,520	45	11,484	22 00	5,104	6,380	
Ogle.....	1,553	107	1,662	83	137,946	45	62,076	20 75	34,486	27,590	
Peoria.....	1,581	111	1,755	60	105,300	61	64,233	26 45	46,420	17,813	
Perry.....	95	100	95	80	7,600	58	4,408	22 80	2,166	2,242	
Piatt.....	399	108	431	44	18,964	53	10,051	17 25	7,435	2,616	
Pike.....	671	103	691	*63	46,988	70	32,892	*20 55	14,200	18,692	
Pope.....	1,636	100	1,636	75	122,700	62	76,074	24 30	39,755	36,319	
Pulaski.....	75	100	75	43	3,225	72	2,322	19 40	1,455	867	
Putnam.....	305	95	290	50	14,500	60	8,700	19 75	5,727	2,973	
Randolph.....	680	100	680	75	51,000	65	33,150	36 65	24,922	8,228	
Richland.....	231	100	231	60	13,860	50	6,930	18 90	4,366	2,564	
Rock Island.....	2,106	111	2,338	45	105,210	43	45,240	22 70	53,073		\$7,833
Saline.....	86	100	86	75	6,450	60	3,870	16 80	1,445	2,425	
Sangamon.....	1,061	106	1,125	46	51,750	75	38,812	23 80	26,775	12,037	
Schuyler.....	248	106	263	55	14,465	77	11,138	21 55	5,668	5,470	
Scott.....	273	102	278	35	9,730	82	7,979	20 55	5,713	2,266	
Shelby.....	618	98	606	68	39,996	50	19,998	18 35	11,120	8,878	
Stark.....	317	100	317	78	24,726	57	14,094	20 90	6,625	7,469	
St. Clair.....	3,022	105	3,173	100	317,300	65	206,245	25 95	82,339	123,906	
Stephenson.....	1,715	100	1,715	58	99,470	41	40,783	22 30	38,244	2,539	
Tazewell.....	938	108	1,013	46	46,598	65	30,289	24 00	24,312	5,977	
Union.....	523	50	261	50	13,050	50	6,525	*20 55	5,363	1,162	
Vermilion.....	915	108	988	50	49,400	63	31,122	21 35	21,094	10,028	
Wabash.....	179	93	166	100	16,600	76	12,616	17 25	9,763	9,763	
Warren.....	526	100	526	44	23,144	58	13,423	23 10	12,151	1,272	
Washington.....	564	100	564	63	35,532	46	16,345	19 60	11,054	5,291	
Wayne.....	248	105	260	73	18,980	58	11,008	19 40	5,044	5,964	
White.....	293	100	293	75	21,975	57	12,526	20 65	6,050	6,976	
Whiteside.....	1,453	100	1,453	65	94,445	45	42,500	23 00	33,419	9,081	
Will.....	2,690	97	2,609	115	300,035	56	168,020	20 75	54,137	113,883	
Williamson.....	138	100	148	165	22,770	50	11,385	19 50	2,691	8,694	
Winnebago.....	1,235	100	1,235	72	88,920	46	40,903	19 90	24,576	16,327	
Woodford.....	721	100	731	20	14,420	71	10,238	19 85	14,312	.....	4,074
Total.....	92,439	101	93,387	69	6,470,811	56	\$3,689,348	\$20 55	\$1,992,702	\$1,724,979	\$28,333

* Estimated.

SORGHUM.

Counties.	Acreage 1879, re- turned by assessors	Per cent. of increase or decrease.....	Acreage 1880.....	No. of gallons of syrup per acre....	Total No. of gallons produced.....	Price per gallon	Value of product...
Adams	525	100	525	100	52,500	\$0 45	\$23,625
Alexander	122	100	122	130	15,860	35	5,551
Bond							
Boone	4	110	4	150	600	50	300
Brown	354	95	336	75	25,200	40	10,080
Bureau	75	100	75	60	4,500	*45	2,025
Calhoun	43	100	43	25	1,075	50	537
Carroll	36	25	9	*98	882	50	441
Cass	16	125	20	60	1,200	50	600
Champaign	244	100	244	80	19,520	47	9,174
Christian	136	75	102	100	10,200	46	4,692
Clark	418	98	410	85	34,850	37	12,894
Clay	495	103	510	30	15,300	42	6,426
Clinton	102	93	95	117	11,115	50	5,557
Coles	180	86	155	67	10,385	38	3,946
Cook	10						
Crawford	368	105	386	103	39,758	45	17,891
Cumberland	342	85	291	80	23,280	41	9,545
DeKalb	3	*100	3	108	324	65	211
DeWitt	48	82	39	120	4,680	50	2,340
Douglas	72	100	72	106	7,632	46	3,511
DuPage	1	185	2	175	350	40	140
Edgar	1,085	88	955	122	116,510	46	53,595
Edwards	120	100	120	100	12,000	43	5,160
Effingham	425	102	433	40	17,320	32	5,542
Fayette	364	100	364	73	26,572	46	12,223
Ford	76	100	76	80	6,080	45	2,736
Franklin	160	100	160	75	12,000	45	5,400
Fulton	283	105	297	72	21,384	40	8,554
Gallatin	213	90	192	40	7,680	45	3,456
Greene	92	*100	92	67	6,164	56	3,452
Grundy	15	105	16	120	1,920	42	806
Hamilton	296	95	281	93	26,133	45	11,760
Hancock	310	97	301	100	30,100	36	10,836
Hardin	174	100	174	100	17,400	30	5,220
Henderson	33	100	33	100	3,300	45	1,485
Henry	65	100	65	225	14,625	52	7,605
Iroquois	288	100	288	80	23,040	53	12,211
Jackson	288	83	239	100	23,900	46	10,994
Jasper	528	102	538	80	43,040	36	15,494
Jefferson	344	100	344	175	60,200	43	25,886
Jersey	30	100	30	46	1,380	40	552
JoDavies	36	*100	36	*98	3,528	50	1,764
Johnson	238	87	207	57	11,799	40	4,720
Kane	2	100	2	300	600	50	300
Kankakee	91	110	100	40	4,000	51	2,040
Kendall	2	105	2	90	180	60	108
Knox	206	111	228	125	28,500	51	14,535
Lake	1	*100	1	200	200	45	90
LaSalle	167	112	187	86	16,082	46	7,398
Lawrence	295	100	295	85	25,075	38	9,528
Lee							
Livingston	152	100	152	110	16,720	38	6,354

SORGHUM—Continued.

Counties.	Acreage 1879, re- turned by assessors	Per cent. of increase or decrease.....	Acreage 1880.....	No. of gallons of syrup per acre.....	Total No. of gallons produced	Price per gallon....	Value of product...
Logan.....	36	110	40	100	4,000	\$0 45	\$1,800
Macon.....	82	100	82	110	9,020	46	4,149
Macoupin.....	158	100	158	50	7,900	46	3,634
Madison.....	173	98	169	102	17,238	44	7,585
Marion.....	307	110	338	75	25,350	42	10,647
Marshall.....	47	125	59	125	7,375	45	3,319
Mason.....	182	87	158	90	14,220	31	4,408
Massac.....	162	100	162	125	20,250	41	8,302
McDonough.....	161	145	233	125	29,125	43	12,524
McHenry.....	157	100	157	50	7,850	47	3,689
McLean.....	55	*100	55	175	9,625	55	5,294
Menard.....	193	105	203	100	20,300	50	10,150
Mercer.....	79	103	81	75	6,075	53	3,220
Monroe.....	226	100	226	100	22,600	41	9,268
Montgomery.....	75	150	112	80	8,960	50	4,480
Morgan.....	151	100	151	70	10,570	46	4,862
Moultrie.....	20	100	20	135	2,700	50	1,350
Ogle.....	84	200	168	85	14,280	46	6,569
Peoria.....	68	100	68	58	3,944	40	1,578
Perry.....	82	100	82	83	6,806	40	2,722
Piatt.....	225	100	225	*98	22,050	50	11,025
Pike.....	674	100	674	70	47,180	30	14,154
Pope.....	150	90	135	72	9,720	38	3,694
Pulaski.....	48	120	58	60	3,480	50	1,740
Putnam.....	293	102	299	80	23,920	52	12,438
Randolph.....	294	100	294	50	14,700	45	6,615
Richland.....	72	100	72	125	9,000	65	5,850
Rock Island.....	357	100	357	175	62,475	35	21,866
Saline.....	60	100	60	100	6,000	75	4,500
Sangamon.....	258	98	253	100	25,300	40	10,120
Schuyler.....	2	100	2	90	180	50	90
Scott.....	256	88	225	200	45,000	35	15,750
Shelby.....	29	98	28	125	3,500	50	1,750
Stark.....	98	105	103	*98	10,094	50	5,047
St. Clair.....	21	92	19	100	1,900	45	855
Stephenson.....	75	100	75	100	8,250	50	4,125
Tazewell.....	150	*100	150	*98	14,700	*45	6,615
Union.....	191	100	191	125	23,875	40	9,550
Vermilion.....	102	95	97	95	9,215	40	3,686
Wabash.....	133	100	133	70	9,310	46	4,283
Warren.....	252	100	252	35	8,820	51	4,498
Washington.....	619	96	594	110	65,340	40	26,136
Wayne.....	420	100	420	70	29,400	42	12,348
White.....	26	*100	26	100	2,600	50	1,300
Whiteside.....	18	*100	18	150	2,700	*45	1,215
Will.....	507	100	507	38	19,266	30	5,780
Williamson.....	20	*100	20	125	2,500	50	1,250
Winnebago.....	62	90	56	60	3,360	45	1,512
Woodford.....							
Total.....	17,883	99	17,716	90	1,588,666	\$0 42	\$676,630

* Estimated.

HOG PRODUCT, 1880.

Counties.	Number of hogs assessed May, 1880.	*Number of hogs marketed, 1880,....	Average live weight —pounds,.....	Total live weight— pounds.....	Average value per cwt.—live weight...	Total value of hog product.....	Supply hogs on hand Dec.20,1880,compared with same date 1879.	Price per cwt. Dec. 20, 1880—live weight
Adams.....	58,054	40,638	271	11,012,898	\$4 05	\$446,022	71	\$4 50
Alexander.....	5,697	3,988	152	606,176	3 25	19,701	87	3 60
Bond.....	14,888	10,422	233	2,428,326	3 95	95,918	72	3 95
Boone.....	15,341	10,739	258	2,770,662	4 05	112,213	69	4 30
Brown.....	21,352	14,946	220	3,288,120	3 65	120,016	70	4 25
Bureau.....	73,176	51,223	240	12,293,520	4 00	491,740	75	4 35
Calhoun.....	9,394	6,576	250	1,644,000	4 00	65,760	68	4 00
Carroll.....	35,082	24,557	300	7,367,100	4 25	313,102	90	4 50
Cass.....	12,688	8,882	237	2,105,034	3 85	81,042	77	4 00
Champaign.....	56,367	39,457	236	9,311,852	4 00	372,472	93	4 15
Christian.....	47,002	32,901	242	7,962,042	4 05	322,461	80	4 25
Clark.....	21,358	14,951	226	3,378,926	3 95	133,466	52	4 10
Clay.....	16,742	11,719	222	2,601,618	3 60	93,658	66	3 90
Clinton.....	13,520	9,464	193	1,826,552	3 20	58,448	48	4 00
Coles.....	35,052	24,536	238	5,839,568	3 55	207,306	80	3 40
Cook.....	15,645	10,951	280	3,066,280	4 60	141,050	91	4 70
Crawford.....	20,267	14,187	205	2,908,335	3 95	114,878	85	4 05
Cumberland.....	15,974	11,182	222	2,482,404	3 80	94,331	81	4 00
DeKalb.....	42,279	29,595	323	9,559,185	4 20	401,486	93	4 60
DeWitt.....	28,468	19,928	225	4,483,800	3 90	174,868	101	3 90
Douglas.....	25,992	18,194	249	4,530,306	3 95	178,946	88	4 20
DuPage.....	14,905	10,433	258	2,691,714	4 25	114,397	82	4 20
Edgar.....	32,687	22,881	200	4,576,200	4 00	183,048	94	4 10
Edwards.....	13,214	9,250	260	2,405,000	3 85	92,592	75	4 00
Effingham.....	16,232	11,362	235	2,670,070	3 60	96,124	90	4 00
Fayette.....	33,933	23,753	230	5,463,190	3 65	199,407	83	4 00
Ford.....	22,978	16,085	250	4,021,250	4 20	168,890	81	4 05
Franklin.....	14,822	10,375	200	2,075,000	3 75	77,812	62	3 85
Fulton.....	71,057	49,740	265	13,181,100	3 85	507,472	83	4 15
Gallatin.....	15,104	10,573	220	2,326,060	3 40	79,087	58	4 00
Greene.....	27,048	18,934	335	6,342,890	4 00	253,716	81	4 15
Grundy.....	16,940	11,858	285	3,379,530	3 90	131,800	90	4 40
Hamilton.....	15,894	11,126	243	2,703,618	3 90	105,440	67	3 90
Hancock.....	58,714	41,100	276	11,343,600	4 25	482,103	88	4 50
Hardin.....	9,176	6,423	225	1,445,175	3 50	50,582	70	3 60
Henderson.....	27,288	19,102	260	4,966,520	4 05	201,143	70	4 25
Henry.....	86,198	60,339	333	14,058,987	4 15	583,448	75	4 25
Iroquois.....	55,712	38,998	216	8,423,568	3 85	324,309	88	4 25
Jackson.....	19,298	13,509	291	3,931,119	3 45	135,623	65	3 85
Jasper.....	17,603	12,462	235	2,928,570	3 85	112,751	92	4 05
Jefferson.....	21,165	14,815	255	3,333,375	3 35	111,669	66	4 05
Jersey.....	19,961	13,973	266	3,716,818	4 15	154,247	70	4 25
JoDavies.....	40,119	28,083	263	7,385,829	4 20	310,204	67	4 20
Johnson.....	13,740	9,618	225	2,164,050	3 90	84,396	100	3 85
Kane.....	27,287	19,101	266	5,080,568	4 15	210,857	91	4 50
Kankakee.....	13,308	9,316	246	2,291,736	3 60	82,501	72	4 20
Kendall.....	24,379	17,065	275	4,692,875	4 00	187,716	69	4 20
Knox.....	56,205	39,343	278	10,937,354	4 15	453,898	63	4 30
Lake.....	12,769	8,938	235	2,100,430	4 20	88,217	62	4 45
LaSalle.....	66,234	46,364	286	13,260,104	4 25	563,554	70	4 30
Lawrence.....	17,269	12,088	220	2,659,360	3 60	95,738	80	4 05
Lee.....	31,858	22,301	238	5,307,638	3 90	206,996	80	4 10
Livingston.....	74,662	52,263	268	14,006,484	4 15	581,270	58	4 25

HOG PRODUCT, 1880—Continued.

Counties.	Number of hogs assessed May, 1880.	*Number of hogs marketed, 1880.....	Average live weight —pounds.....	Total live weight— pounds.....	Average value per cwt.—live weight..	Total value of hog product.....	Supply hogs on hand Dec. 20, 1880, compared with same date 1879.	Price per cwt. Dec. 20, 1880—live weight
Logan.....	43,386	30,370	280	8,503,600	\$4 10	\$348,648	83	\$4 15
Macon.....	46,585	32,609	245	7,989,205	4 15	331,552	72	4 10
Macoupin.....	49,768	34,838	250	8,709,500	3 95	344,025	90	4 15
Madison.....	41,568	29,098	251	7,303,598	4 00	292,144	90	4 40
Marion.....	21,642	15,149	200	3,029,800	4 00	121,192	100	4 00
Marshall.....	29,038	20,327	262	5,325,874	4 50	239,656	72	4 50
Mason.....	14,781	10,846	250	2,586,500	4 00	103,480	65	4 00
Massac.....	10,908	7,636	250	1,909,000	3 50	68,815	62	3 75
McDonough.....	56,877	39,814	250	9,953,500	4 05	403,117	61	4 15
McHenry.....	27,449	19,214	266	5,110,924	3 90	199,325	85	4 20
McLean.....	95,113	66,579	254	16,911,066	4 15	701,811	75	4 25
Menard.....	17,287	12,101	238	2,880,038	3 90	112,320	85	4 15
Mercer.....	53,989	37,792	269	10,166,048	4 00	406,640	62	4 15
Monroe.....	12,254	8,578	175	1,501,150	4 35	65,298	83	4 50
Montgomery.....	41,567	29,097	255	7,419,735	4 00	296,788	97	4 30
Morgan.....	13,325	9,327	240	2,238,480	4 00	89,540	82	4 20
Moultrie.....	22,342	15,639	220	3,440,580	3 75	129,022	45	4 10
Ogle.....	51,342	35,939	276	9,919,164	4 25	421,566	90	4 20
Peoria.....	43,349	30,344	300	9,103,200	4 50	409,644	70	4 10
Perry.....	8,953	6,267	200	1,253,400	3 50	43,869	83	3 85
Piatt.....	27,323	19,126	221	4,226,846	3 80	160,618	90	4 10
Pike.....	54,577	38,204	225	8,595,900	4 00	343,836	17	4 10
Pope.....	15,667	10,967	202	2,215,334	3 75	83,074	90	3 75
Pulaski.....	4,471	3,130	215	672,950	4 40	29,608	91	4 00
Putnam.....	11,264	7,885	275	2,168,375	4 25	92,157	60	4 65
Randolph.....	21,704	15,193	212	3,220,916	3 75	120,784	87	4 10
Richland.....	13,134	9,194	180	1,654,920	3 50	57,921	12	4 00
Rock Island.....	31,671	22,170	271	6,008,070	4 25	255,344	72	4 35
Saline.....	17,511	12,258	200	2,451,600	3 50	85,805	75	4 00
Sangamon.....	68,628	48,040	232	11,145,280	3 80	423,521	82	4 15
Schuyler.....	31,564	22,095	270	5,965,650	4 10	244,590	53	4 35
Scott.....	17,852	12,496	270	3,373,920	4 20	141,704	77	4 15
Shelby.....	49,579	34,705	225	7,808,625	4 10	320,153	87	4 00
Stark.....	32,011	22,408	326	7,305,008	3 90	284,895	77	4 50
St. Clair.....	22,805	15,963	273	4,357,899	3 85	167,779	103	4 10
Stephenson.....	44,585	31,209	266	8,301,594	4 10	340,366	85	4 25
Tazewell.....	37,351	26,146	276	7,216,296	4 10	295,868	93	4 30
Union.....	18,366	12,856	200	2,571,200	3 75	96,420	50	4 00
Vermilion.....	58,550	40,385	218	8,994,730	3 95	352,921	73	4 15
Wabash.....	6,948	4,864	230	1,118,720	3 85	43,070	70	4 15
Warren.....	53,451	37,416	278	10,401,648	4 00	416,064	88	4 15
Washington.....	15,609	10,926	225	2,458,350	3 50	86,040	91	3 90
Wayne.....	22,929	16,050	225	3,611,250	3 50	126,392	66	3 50
White.....	26,360	18,452	225	4,151,700	3 50	145,309	72	4 00
Whiteside.....	41,049	24,734	250	7,133,500	4 25	305,299	75	4 25
Will.....	23,428	19,899	366	7,283,034	4 25	309,527	76	4 50
Williamson.....	19,304	13,513	200	2,702,600	3 15	85,132	60	3 50
Winnebago.....	25,347	17,743	281	4,985,783	4 10	204,418	77	4 45
Woodford.....	41,699	29,189	287	8,377,243	3 85	322,522	76	4 40
Total.....	3,133,557	2,193,487	252	553,059,887	\$4 00	\$22,137,461	76	\$4 13

* 70 per cent. of number assessed.

BEEF CATTLE.

Counties.	Number of cattle assessed May, 1880.	*Number marketed 1880.....	Average live weight —pounds.....	Total live weight— pounds.....	Average value per cwt.—live weight...	Total value.....	Supply on hand Dec. 20, 1880, compared with same date 1879	Price per cwt. Dec. 20, 1880—live weight
Adams.....	25,190	5,038	1,195	6,020,410	\$3 60	\$216,734	86	\$3 85
Alexander.....	2,956	591	687	406,017	2 75	11,165	88	2 85
Bond.....	10,314	2,063	1,050	2,166,150	3 40	73,647	65	4 10
Boone.....	19,367	3,873	1,150	4,453,950	3 30	146,979	84	3 85
Brown.....	9,345	1,869	1,150	2,149,350	3 75	80,599	85	3 75
Bureau.....	39,580	7,916	1,100	8,707,600	3 75	326,535	82	4 30
Calhoun.....	4,195	839	1,000	839,000	3 25	27,267	80	3 75
Carroll.....	29,058	5,812	1,400	8,136,800	4 75	386,498	110	4 25
Cass.....	10,171	2,034	1,300	2,644,200	4 00	105,768	97	4 15
Champaign.....	27,230	5,446	1,225	6,671,350	3 75	250,174	83	4 00
Christian.....	24,299	4,860	1,350	6,561,000	4 10	269,001	87	4 05
Clark.....	11,213	2,243	1,036	2,323,748	3 30	76,682	90	3 55
Clay.....	10,465	2,093	1,000	2,093,000	2 50	52,325	65	2 90
Clinton.....	8,827	1,765	1,050	1,853,250	3 00	55,596	62	3 25
Coles.....	21,745	4,349	1,243	5,405,807	3 60	194,609	76	4 00
Cook.....	40,479	8,096	1,000	8,096,000	2 50	202,400	98	4 55
Crawford.....	7,963	1,593	1,012	1,612,116	3 05	49,169	95	3 50
Cumberland.....	8,319	1,664	800	1,331,200	3 15	41,933	83	3 60
DeKalb.....	45,208	9,042	1,133	10,244,586	3 65	373,928	101	4 25
DeWitt.....	14,147	2,829	1,283	3,629,607	3 50	127,036	96	3 85
Douglas.....	18,201	3,640	1,347	4,903,080	3 70	181,415	87	3 80
DuPage.....	21,866	4,373	1,200	5,247,000	4 00	209,904	88	4 40
Edgar.....	30,407	6,081	1,200	7,297,200	3 25	237,159	93	3 65
Edwards.....	8,448	1,690	1,200	2,028,000	2 65	53,742	88	2 75
Effingham.....	10,434	2,087	900	1,878,300	2 10	39,444	105	2 75
Fayette.....	17,442	3,488	1,000	3,488,000	3 15	109,872	83	3 65
Ford.....	9,760	1,952	1,100	2,147,200	3 75	80,520	92	4 15
Franklin.....	5,068	1,014	1,050	1,064,700	2 35	25,020	75	2 75
Fulton.....	35,820	7,164	1,300	9,313,200	3 80	353,902	80	3 85
Gallatin.....	6,340	1,268	850	1,077,800	2 50	26,945	75	3 00
Greene.....	17,786	3,557	1,266	4,503,162	4 00	180,123	85	3 30
Grundy.....	17,681	3,536	1,275	4,508,400	4 00	180,336	95	4 35
Hamilton.....	10,636	2,127	850	1,807,950	2 75	49,717	70	2 75
Hancock.....	32,282	6,456	1,150	7,424,400	3 75	278,415	99	3 60
Hardin.....	2,798	560	800	448,000	2 50	11,200	95	2 75
Henderson.....	13,521	2,704	1,362	3,682,848	4 25	156,519	81	4 25
Henry.....	43,869	8,774	1,260	11,055,240	4 05	447,736	97	4 10
Iroquois.....	33,254	6,651	1,183	7,868,133	3 25	255,713	90	3 65
Jackson.....	7,851	1,570	850	1,334,500	2 55	34,030	75	3 10
Jasper.....	10,165	2,033	850	1,728,050	2 85	49,248	92	3 25
Jefferson.....	10,955	2,191	975	2,136,225	2 45	52,337	100	2 95
Jersey.....	7,962	1,592	1,190	1,894,480	3 75	71,044	70	3 90
JoDaviess.....	38,645	7,729	1,225	9,468,025	3 55	336,114	75	3 65
Johnson.....	4,221	844	800	675,200	2 00	13,504	100	2 00
Kane.....	46,311	9,262	1,100	10,188,200	3 40	346,399	100	4 00
Kankakee.....	16,771	3,354	1,175	3,940,950	3 55	139,902	91	3 05
Kendall.....	19,505	3,901	1,083	4,224,783	4 00	168,992	92	4 35
Knox.....	36,516	7,303	1,375	10,011,625	3 85	386,602	65	4 30
Lake.....	20,205	4,041	1,062	4,291,542	3 35	143,765	93	4 60
LaSalle.....	52,873	10,575	1,180	12,478,500	3 80	474,185	72	4 25
Lawrence.....	8,422	1,684	1,100	1,852,400	3 00	55,572	95	3 50
Lee.....	34,783	6,957	1,175	8,174,475	3 85	314,718	85	3 75
Livingston.....	30,242	6,048	1,300	7,862,400	4 00	314,496	75	5 00

BEEF CATTLE—Continued.

Counties.	Number of cattle assessed May, 1880.	*Number marketed 1880.....	Average live weight—pounds.....	Total live weight—pounds.....	Average value per cwt.—live weight..	Total value.....	Supply on hand Dec. 20, 1880, compared with same date 1879	Price per cwt. Dec. 20, 1880—live weight
Logan.....	21,009	4,202	1,500	6,303,000	\$4 70	\$258,423	76	\$4 85
Macon.....	17,704	3,541	1,200	4,249,200	3 75	159,345	96	4 00
Macoupin.....	31,265	6,253	1,200	7,503,600	3 35	251,371	80	4 10
Madison.....	14,136	2,827	1,066	3,013,582	3 90	117,530	96	3 75
Marion.....	14,462	2,892	1,300	3,759,600	4 50	169,182	100	4 50
Marshall.....	14,451	2,890	1,162	3,358,180	3 75	125,932	103	4 00
Mason.....	6,611	1,322	1,000	1,322,000	3 50	46,270	33	4 00
Massac.....	4,119	824	†1,000	824,000	3 00	24,720	...	4 00
McDonough.....	25,100	5,020	1,250	6,275,000	3 85	241,587	78	4 00
McHenry.....	42,936	8,587	1,100	9,445,700	3 60	340,045	75	4 10
McLean.....	48,622	9,724	1,095	10,647,780	4 05	431,236	88	4 75
Menard.....	11,166	2,233	1,287	2,873,871	4 15	119,267	86	4 30
Mercer.....	31,373	6,275	1,390	8,722,250	4 05	353,249	81	4 00
Monroe.....	3,889	778	825	641,850	3 25	20,858	75	3 25
Montgomery.....	20,218	4,044	†1,000	4,044,000	3 10	125,364	97	3 50
Morgan.....	15,275	3,055	1,216	3,714,880	3 85	143,024	80	4 35
Moultrie.....	12,035	2,407	1,266	3,047,262	3 85	117,321	100	4 10
Ogle.....	50,810	10,162	1,083	11,005,446	3 35	368,681	100	3 50
Peoria.....	29,834	5,967	1,500	8,950,000	3 85	344,575	95	4 00
Perry.....	5,664	1,133	850	963,050	2 55	24,556	96	2 75
Piatt.....	13,462	2,692	1,275	3,432,300	3 65	125,279	95	4 05
Pike.....	21,552	4,310	1,300	5,603,000	3 95	221,318	97	4 00
Pope.....	5,672	1,134	1,000	1,134,000	2 75	31,185	100	2 50
Pulaski.....	2,756	551	850	468,350	2 65	12,410	87	2 75
Putnam.....	6,710	1,342	1,200	1,610,400	3 85	62,000	91	3 75
Randolph.....	10,852	2,170	800	1,736,000	2 60	45,136	83	2 60
Richland.....	10,338	2,068	700	1,447,600	2 35	34,019	75	2 65
Rock Island.....	22,831	4,566	1,175	5,365,050	3 80	203,870	90	4 00
Saline.....	5,211	1,042	800	833,600	2 50	20,840	80	3 00
Sangamon.....	44,028	8,806	1,175	10,347,050	3 75	388,012	80	4 40
Schuyler.....	17,101	3,420	1,287	4,401,540	4 00	176,060	72	4 60
Scott.....	6,925	1,385	1,287	1,782,495	3 70	65,952	76	3 85
Shelby.....	24,103	4,821	1,258	6,064,818	4 00	242,592	86	4 25
Stark.....	13,888	2,778	1,350	3,750,300	3 65	136,886	86	4 00
St. Clair.....	9,559	1,912	975	1,864,200	3 35	62,451	95	4 65
Stephenson.....	34,805	6,961	1,033	7,190,713	3 40	244,484	90	3 65
Tazewell.....	22,243	4,449	1,133	5,040,717	3 20	161,302	100	3 55
Union.....	6,119	1,224	750	918,000	3 75	34,425	82	4 00
Vermilion.....	38,305	7,661	1,316	10,081,876	3 95	398,235	95	3 90
Wabash.....	5,493	1,099	883	970,417	2 65	25,716	68	3 00
Warren.....	25,377	5,075	1,287	6,531,525	4 00	261,260	92	4 10
Washington.....	12,604	2,521	1,000	2,521,000	2 35	59,243	100	2 50
Wayne.....	19,377	3,875	850	3,293,750	2 50	82,342	100	3 35
White.....	10,956	2,191	937	2,052,967	2 50	51,325	83	2 70
Whiteside.....	39,586	7,917	1,100	8,708,700	4 00	348,348	75	4 00
Will.....	44,326	8,865	1,350	11,967,750	4 00	478,708	103	4 30
Williamson.....	5,222	1,044	800	835,200	2 10	17,539	62	2 50
Winnebago.....	30,207	6,041	1,033	6,240,353	3 25	202,810	94	3 85
Woodford.....	18,390	3,678	1,300	4,781,400	4 25	203,209	100	4 25
Total.....	1,999,788	399,955	1,167	467,019,031	\$3 65	\$17,026,130	86	\$3 75

* 20 per cent. of number assessed.

† Estimated.

FAT SHEEP.

Counties.	Number of sheep assessed May, 1880.	*Number marketed, 1880.....	Average live weight — pounds.....	Total live weight— pounds.....	Average value per cwt.—live weight..	Total value.....	Supply on hand Dec. 20, 1880, compared with same date 1879	Price per cwt. Dec. 20, 1880—live weight
Adams.....	13,382	2,676	118	315,768	\$3 10	\$9,790	90	\$3 65
Alexander.....	1,125	225	56	12,600	3 65	460	88	3 85
Bond.....	9,509	1,902	97	184,494	3 25	5,996	60	3 35
Boone.....	17,493	3,499	105	367,395	3 30	12,124	89	3 75
Brown.....	7,335	1,467	110	161,370	2 85	4,600	90	3 85
Bureau.....	8,719	1,744	+100	174,400	+3 35	5,842	100	4 00
Calhoun.....	845	169	95	16,055	4 00	640	90	4 00
Carroll.....	3,996	799	+100	79,900	3 00	2,397	100	3 50
Cass.....	2,026	405	120	48,600	4 00	1,944	100	4 00
Champaign.....	10,271	2,054	90	184,860	3 35	6,194	102	3 75
Christian.....	10,556	2,111	85	179,435	3 25	5,830	103	3 00
Clark.....	9,660	1,932	83	160,356	3 10	4,969	80	3 45
Clay.....	10,734	2,147	93	199,671	2 60	5,192	93	2 85
Clinton.....	7,504	1,501	97	145,597	3 00	4,368	82	3 25
Coles.....	9,200	1,840	98	180,320	3 05	5,499	90	3 25
Cook.....	5,475	1,095	+100	109,500	+3 35	3,668	100	3 80
Crawford.....	9,951	1,990	115	228,850	3 20	7,322	95	3 20
Cumberland.....	5,080	1,016	80	81,280	2 95	2,398	100	3 00
DeKalb.....	12,466	2,493	98	244,314	3 50	8,550	90	3 60
DeWitt.....	12,972	2,594	102	264,588	3 25	8,599	100	3 50
Douglas.....	6,604	1,321	96	126,816	3 75	4,755	100	3 85
DuPage.....	12,164	2,433	103	250,599	3 65	9,147	76	4 25
Edwards.....	14,890	2,978	100	297,800	3 00	8,934	103	3 65
Edwards.....	11,226	2,245	100	224,500	2 65	5,949	93	3 15
Efingham.....	5,384	1,077	90	96,930	3 50	3,391	100	3 50
Fayette.....	14,496	2,899	90	260,910	3 00	7,827	83	3 00
Ford.....	1,768	354	+100	35,400	+3 35	1,186	.....	.....
Franklin.....	4,519	904	97	87,688	2 75	2,412	62	3 00
Fulton.....	20,299	4,060	90	365,400	3 00	10,962	100	3 35
Gallatin.....	3,310	662	+100	66,200	+3 35	2,218	.....	.....
Greene.....	10,548	2,110	101	213,110	3 50	7,458	60	3 50
Grundy.....	2,232	446	100	44,600	4 00	1,784	100	4 50
Hamilton.....	13,084	2,617	83	217,211	2 80	6,082	92	2 70
Hancock.....	5,008	1,002	+100	100,200	+3 35	3,357	100	.....
Hardin.....	2,295	459	85	39,015	3 50	1,365	100	3 50
Henderson.....	2,521	504	93	46,872	3 60	1,688	96	3 60
Henry.....	5,949	1,190	120	142,800	4 00	5,712	100	4 35
Iroquois.....	5,562	1,112	97	107,864	5 00	5,395	105	5 00
Jackson.....	3,344	669	100	66,900	3 60	2,408	93	3 50
Jasper.....	6,834	1,367	85	116,195	2 60	3,021	80	2 85
Jefferson.....	9,348	1,870	93	173,910	2 55	4,434	90	3 00
Jersey.....	5,470	1,094	106	115,964	3 45	4,002	90	3 75
JoDavies.....	10,987	2,197	92	202,124	3 40	6,871	92	3 65
Johnson.....	4,210	842	+100	84,200	2 50	2,105	100	2 60
Kane.....	12,737	2,547	90	229,230	3 50	8,022	99	3 85
Kankakee.....	3,226	645	82	52,890	3 00	1,587	100	3 40
Kendall.....	8,970	1,794	110	197,340	4 15	8,188	95	4 05
Knox.....	16,172	3,234	100	323,400	3 25	10,510	162	3 50
Lake.....	69,857	13,971	90	1,257,390	3 50	44,009	86	4 35
LaSalle.....	14,891	2,978	103	306,734	3 80	11,655	103	4 20
Lawrence.....	5,822	1,164	+100	116,400	3 10	3,608	95	3 75
Lee.....	9,352	1,870	92	172,040	3 60	6,192	100	3 75
Livingston.....	5,136	1,027	+100	102,790	3 35	3,440	125	3 75

FAT SHEEP—Continued.

Counties.	Number of sheep assessed May, 1880.	*Number marketed, 1880.....	Average live weight —pounds.....	Total live weight— pounds.....	Average value per cwt.—live weight..	Total value.....	Supply on hand Dec. 20, 1880, compared with same date 1879	Price per cwt. Dec. 20, 1880—live weight.
Logan.....	8,712	1,742	†100	174,200	\$4 00	\$6,968	103	\$4 20
Macon.....	9,284	1,857	110	204,270	3 50	7,150	100	3 75
Macoupin.....	20,979	4,196	†100	419,600	3 35	14,057	105	3 50
Madison.....	9,341	1,868	100	186,800	3 75	7,005	100	3 55
Marion.....	11,111	2,222	†100	222,200	†3 35	7,444	100	
Marshall.....	6,270	1,254	112	140,448	3 25	4,563	103	3 25
Mason.....	518	104	100	10,400	3 50	364	50	4 00
Massac.....	1,874	375	†100	37,500	†3 35	1,256		
McDonough.....	9,616	1,923	†100	192,300	3 00	5,769	75	3 00
McHenry.....	52,408	10,482	103	1,079,646	4 00	43,184	109	4 10
McLean.....	27,389	5,478	105	575,190	3 55	20,420	103	4 00
Menard.....	5,865	1,173	105	123,165	3 25	4,004	93	3 75
Mercer.....	5,548	1,110	106	117,660	3 45	4,061	125	3 70
Monroe.....	1,480	296	90	26,640	3 00	798	80	3 00
Montgomery.....	14,420	2,884	96	276,864	3 10	8,584	100	3 40
Morgan.....	12,646	2,529	117	295,893	3 25	9,616	107	4 00
Moultrie.....	5,140	1,028	95	97,660	3 75	3,664	86	2 85
Ogle.....	10,169	2,034	95	193,230	3 75	7,245	100	4 15
Peoria.....	6,886	1,377	125	172,125	3 75	6,454	92	3 85
Perry.....	3,104	620	80	49,600	2 75	1,364	100	2 10
Piatt.....	5,070	1,014	103	104,442	3 50	3,654	102	3 65
Pike.....	12,159	2,432	115	279,680	3 60	10,069	75	3 75
Pope.....	7,514	1,503	†100	150,300	5 00	7,515	75	5 00
Putlaski.....	698	140	85	11,900	3 25	387	98	3 00
Putnam.....	2,231	446	100	44,600	3 50	1,561	100	3 85
Randolph.....	9,094	1,819	125	227,375	3 25	7,390	92	3 25
Richland.....	6,943	1,389	105	145,845	2 00	2,916	90	2 50
Rock Island.....	3,083	617	110	67,870	3 85	2,614	93	3 85
Saline.....	6,860	1,372	80	109,760	1 75	1,921	75	2 50
Sangamon.....	19,739	3,947	102	402,594	3 70	14,896	96	3 75
Schuyler.....	5,881	1,166	102	118,932	3 50	4,161	78	3 85
Scott.....	6,149	1,230	122	150,060	3 50	5,253	93	3 60
Shelby.....	16,976	3,395	95	322,525	3 75	12,094	95	4 00
Stark.....	7,119	1,424	125	178,000	3 75	6,675	106	3 90
St. Clair.....	5,605	1,121	†100	112,100	4 00	4,484	92	4 50
Stephenson.....	11,254	2,251	90	202,590	3 50	7,091	90	3 75
Tazewell.....	10,090	2,018	100	201,800	3 50	7,063	107	3 90
Union.....	3,747	749	†100	74,900	†3 35	2,509	95	
Vermillion.....	26,873	5,375	105	564,375	3 40	19,190	100	3 65
Wabash.....	4,067	813	106	86,178	2 90	2,500	72	2 85
Warren.....	7,150	1,430	107	153,010	3 85	5,890	97	3 85
Washington.....	5,778	1,156	100	115,600	2 00	2,312	87	2 50
Wayne.....	12,263	2,453	97	237,941	3 00	7,137	100	3 10
White.....	6,721	1,344	82	110,208	3 05	3,361	75	3 10
Whiteside.....	7,557	1,511	90	135,990	4 00	5,440	100	4 00
Will.....	7,288	1,458	120	174,960	4 50	7,875	100	4 50
Williamson.....	7,768	1,554	88	136,752	2 35	3,212	78	2 85
Winnebago.....	15,828	3,166	102	322,932	3 25	10,494	96	3 85
Woodford.....	3,967	793	100	79,300	3 50	2,775	100	3 50
Total.....	964,696	192,989	99	19,198,595	\$3 40	\$652,465	93	\$3 58

* 20 per cent of number assessed.

† Estimated

HOG CHOLERA, 1880.

Counties.	Number of hogs as- sessed May, 1880.	Perc. lost by disease	Number lost by dis- ease.	Average weight dead hogs—pounds.	Total loss by disease in pounds.	Average value per cwt.	Amount of loss 1880.	Amount of loss 1879.	Amount of loss 1878.	Amount of loss 1877.	Amount of loss 1876
Adams...	58,054	14	8,127	116	942,732	\$4 05	\$38,179	\$8,654	\$78,321	\$34,755	\$59,910
Alexander	5,697	15	854	56	47,824	3 25	1,553	1,232	1,088	1,655	185
Bond	14,888	8	1,191	60	71,460	3 95	2,824	4,559	7,173	12,847	7,726
Boone	15,341	...	...	...	...	...	...	4,660	3,903	4,763	...
Brown	21,352	3	640	116	74,240	3 65	2,708	3,472	7,165	6,195	7,141
Bureau	73,176	18	13,172	175	2,305,100	4 00	92,204	24,529	1,837	3,062	1,756
Calhoun	9,394	10	939	100	93,900	4 00	3,756	...	...	2,827	6,835
Carroll	35,082	10	3,508	60	210,480	4 25	8,946	25,629	40,484	62,191	7,867
Cass	12,688	...	...	...	...	...	...	2,194	6,080	6,000	21,859
Champ'gn.	56,367	5	2,818	75	211,350	4 00	8,452	4,055	15,591	24,231	50,684
Christian	47,002	6	2,820	75	211,500	4 05	8,566	5,732	28,208	29,820	26,203
Clark	21,353	10	2,135	100	213,530	3 95	8,433	8,410	10,438	12,073	14,151
Clay	16,742	9	1,507	93	140,151	3 60	5,044	1,139	1,615	1,464	5,439
Clinton	13,520	10	1,352	100	135,200	3 20	4,326	997	4,806	9,572	7,505
Coles	35,052	5	1,753	85	149,005	3 55	5,289	10,413	10,519	4,713	51,706
Cook	15,645	3	469	40	18,760	4 60	865	1,060	...	...	...
Crawford	20,267	11	2,229	96	213,984	3 95	8,453	3,270	5,727	27,252	...
Cumberl'd.	15,974	10	1,597	100	159,700	3 80	6,069	1,455	2,121	5,900	14,125
DeKalb	42,279	7	2,959	50	147,950	4 20	6,212	6,731	29,180	27,894	2,979
DeWitt	28,468	30	8,540	80	683,200	3 90	26,645	12,949	18,109	15,676	50,229
Douglas	25,992	6	1,559	115	179,285	3 95	7,082	6,065	22,768	...	19,889
DuPage	14,905	...	...	...	...	...	...	2,149	...	822	...
Edgar	32,687	7	2,288	100	228,800	4 00	9,152	2,271	12,296	10,665	17,865
Edwards	13,214	6	793	100	79,300	3 85	3,053	1,127	866	5,450	1,107
Effingham	16,232	10	1,623	150	243,450	3 60	8,762	...	6,797	22,534	4,893
Fayette	33,933	12	4,072	80	325,760	3 65	11,892	8,903	6,241	49,720	...
Ford	22,978	2	459	70	32,130	4 20	1,948	2,620	6,939	6,758	2,932
Franklin	14,822	5	741	100	74,100	3 75	2,779	2,812	4,115	9,689	3,714
Fulton	71,057	4	2,842	90	255,780	3 85	9,848	3,838	52,524	35,944	122,951
Gallatin	15,104	10	1,510	57	86,070	3 40	2,927	1,363	911	7,176	4,617
Greene	27,048	5	1,352	150	202,800	4 00	8,112	4,599	7,108	15,303	23,458
Grundy	16,940	4	678	125	84,750	3 90	3,303	2,811	2,787	3,514	...
Hamilton	15,894	30	4,768	87	414,816	3 90	16,177	7,199	1,428	2,950	2,289
Hancock	58,714	3	1,761	103	181,383	4 25	7,709	10,030	34,673	24,890	26,703
Hardin	9,176	5	459	100	45,900	3 50	1,606	432	1,140	12,585	1,908
Henderson	27,288	4	1,091	90	98,190	4 05	3,977	2,844	23,753	13,560	34,523
Henry	86,198	6	5,172	139	718,908	4 15	29,834	21,281	24,399	32,978	19,350
Iroquois	55,712	5	2,786	70	195,020	3 85	7,507	3,264	22,602	5,763	7,714
Jackson	19,298	19	3,667	131	480,377	3 45	16,574	...	...	12,387	2,829
Jasper	17,803	10	1,780	60	106,800	3 85	4,112	5,101	4,446	8,676	2,964
Jefferson	21,165	14	2,963	91	269,633	3 35	9,032	5,470	5,031	13,017	5,308
Jersey	19,961	3	599	80	47,920	4 15	1,988	529	3,410	2,278	6,433
JoDavies	40,119	5	2,006	125	250,750	4 20	10,529	8,669	12,492	5,344	1,043
Johnson	13,740	1	137	150	20,550	3 90	799	...	2,298	3,830	1,301
Kane	27,287	4	1,091	150	163,650	4 15	6,789	14,272	7,123	15,030	3,603
Kankakee	13,308	2	266	150	39,900	3 60	1,436	...	2,957	1,962	688
Kendall	24,379	22	5,363	112	600,656	4 00	24,024	12,555	26,640	29,061	9,846
Knox	56,205	13	7,307	70	511,490	4 15	21,227	14,226	43,842	20,390	61,232
Lake	12,769	...	...	...	...	...	...	...	...	16,426	...
LaSalle	66,234	9	5,961	175	1,043,175	4 25	44,336	19,155	99,389	33,962	4,806
Lawrence	17,269	5	863	82	70,766	3 60	2,549	3,294	5,457	10,867	8,657
Lee	31,858	1	318	90	28,620	3 90	1,115	4,910	38,278	...	...
Livingston	74,662	5	3,733	75	279,975	4 15	11,620	4,067	...	14,609	...

HOG CHOLERA, 1880—Continued.

Counties.	Number of hogs as- sessed May, 1880.	Per ct. lost by disease	Number lost by dis- ease.....	Average weight dead hogs—pounds.....	Total loss by disease in pounds.....	Average value per cwt.....	Amount of loss 1880.	Amount of loss 1879.	Amount of loss 1878.	Amount of loss 1877.	Amount of loss 1876.
Logan....	43,386	4	1,735	137	237,695	\$4 10	\$9,746	\$6,439	\$9,725	\$17,952	\$98,782
Macon....	46,585	10	4,658	100	465,800	4 15	19,331	6,146	33,305	21,640	17,900
Macoupin...	49,768	3	1,493	30	44,790	3 95	1,770	2,268	4,009	11,547	6,715
Madison....	41,568	...	...	...	...	4 00	...	4,214	19,173	16,621	7,552
Marion....	21,642	1	216	150	32,400	4 00	1,296	2,850	3,767	2,321	9,618
Marshall....	29,038	5	1,452	*150	217,800	4 50	9,801	2,006	1,323	15,975	11,700
Mason....	14,781	...	...	...	...	4 00	...	...	5,438	24,140	1,749
Massac....	10,908	10	1,090	100	109,000	3 50	3,815	2,926	3,971	2,529	...
McDon'gh.	56,877	11	6,256	87	544,272	4 05	22,044	4,810	23,260	17,478	36,127
McHenry...	27,449	3	823	50	41,150	3 90	1,603	1,320	3,756	2,174	3,903
McLean....	95,113	15	14,267	140	1,997,380	4 15	82,892	33,930	71,634	24,347	27,436
Menard....	17,287	11	1,901	96	182,496	3 90	7,117	1,605	11,469	27,120	30,963
Mercer....	53,989	12	6,479	125	809,875	4 00	32,396	27,992	85,166	31,038	25,701
Monroe....	12,254	...	...	...	...	...	...	...	6,393	3,175	...
Montgo'my	41,567	5	2,078	*100	207,800	4 00	8,312	18,249	12,836	23,090	11,171
Morgan....	13,325	6	799	90	71,910	4 00	2,876	1,377	8,486	26,597	44,232
Moultrie...	22,342	22	4,915	120	599,800	3 75	22,117	1,980	10,735	4,050	9,216
Ogle....	51,342	1	513	175	89,775	4 25	3,816	3,025	33,227	104,468	8,818
Peoria....	43,349	5	2,167	145	314,215	4 50	14,139	3,855	66,792	9,150	41,738
Perry....	8,953	3	268	80	21,440	3 50	749	1,554	1,152	5,972	2,487
Piatt....	27,323	7	1,913	71	135,823	3 80	5,160	2,582	9,924	38,372	45,246
Pike....	54,577	4	2,183	72	157,176	4 00	6,288	7,230	20,928	21,933	48,012
Pope....	15,667	...	...	...	...	...	...	...	1,913	5,331	4,547
Pulaski....	4,471	...	...	...	...	...	...	...	260	4,183	...
Putnam....	11,264	5	563	87	48,981	4 25	2,082	966	1,235	2,949	2,479
Randolph...	21,704	...	...	...	...	...	...	6,404	7,345	14,292	10,490
Richland...	13,134	15	1,970	62	122,140	3 50	4,273	5,540	651	4,721	1,753
Rock Isl'd	31,671	9	2,850	123	350,550	4 25	14,896	6,857	7,630	16,662	12,088
Saline....	17,511	20	3,502	120	420,240	3 50	14,707	1,666	1,785	1,093	6,348
Sangamon...	68,628	5	3,431	66	226,446	3 80	8,603	15,200	22,829	18,480	69,962
Schuyler...	31,564	10	3,156	100	315,600	4 10	12,940	7,072	11,837	6,646	50,380
Scott....	17,852	7	1,250	120	150,000	4 20	6,300	7,973	2,075	13,435	8,508
Shelby....	49,579	3	1,487	100	148,700	4 10	6,097	6,184	13,365	12,217	34,161
Stark....	32,011	2	640	187	119,680	3 90	4,668	11,245	17,744	52,670	27,308
St. Clair...	22,805	...	...	...	...	...	...	...	14,720	5,710	...
Stephens'n	44,585	7	3,121	92	287,132	4 10	11,771	16,438	15,402	19,993	7,638
Tazewell...	37,351	6	2,241	87	194,967	4 10	7,995	7,710	15,710	47,815	82,533
Union....	18,366	5	918	100	91,800	3 75	3,442	...	...	...	...
Vermilion...	58,550	6	3,513	62	217,805	3 95	8,603	5,855	11,046	45,973	27,888
Wabash....	6,948	2	139	75	10,425	3 85	400	1,059	1,140	3,641	8,872
Warren....	53,541	5	2,677	68	182,036	4 00	7,280	7,426	30,838	22,327	11,556
Washington	15,609	...	...	...	...	...	...	720	9,903	7,361	2,269
Wayne....	22,929	10	2,292	100	229,200	3 50	8,022	5,951	1,225	3,665	3,146
White....	26,360	18	4,745	57	270,465	3 50	9,467	7,888	6,905	16,692	8,022
Whiteside...	41,049	5	2,052	100	235,200	4 25	8,721	11,946	3,416	24,067	6,932
Will....	28,428	...	...	...	...	...	...	...	...	...	...
Williams'n	19,304	21	4,054	88	356,752	3 15	11,236	2,176	7,724	9,260	5,409
Winnebago	25,347	...	...	...	...	...	...	2,697	19,672	1,313	...
Woodford...	41,699	2	834	25	20,850	3 85	801	6,163	23,595	21,744	...
Total....	3,133,557	7	227,259	104	23,630,307	\$3 95	\$937,293	\$588,487	\$1,438,539	\$1,583,415	\$1,576,012

* Estimated.

SHEEP KILLED BY DOGS, 1880.

Counties.	Number of sheep assessed May, 1880.	Per cent. killed by dogs.....	Number killed.....	Value per head.....	Amount loss in 1880.	Amount loss in 1879.	Amount loss in 1878.	Amount loss in 1877.	Amount loss in 1876.
Adams.....	13,382	7	937	\$3 15	\$2,951	\$798	\$1,777	\$1,599	.....
Alexander.....	1,125	2	22	2 00	44	127	.....	.....	.....
Bond.....	9,509	2	180	2 00	360	501	354	333	898
Boone.....	17,493	.....	.....	.....	.....	1,130	1,298	2,807	572
Brown.....	7,335	2	147	3 35	492	279	500	.....	.....
Bureau.....	8,719	.....	.....	.....	.....	.....	.....	.....	62
Calhoun.....	845	5	42	3 25	136	.....	65	49	111
Carroll.....	3,996	.....	.....	.....	.....	1,344	571	684	414
Cass.....	2,026	2	40	4 00	160	87	38	46	70
Champaign.....	10,271	5	513	2 50	1,282	741	392	736	2,239
Christian.....	10,556	2	211	3 50	738	471	293	.....	.....
Clark.....	9,660	6	580	2 50	1,450	1,412	1,154	1,078	543
Clay.....	10,734	9	966	2 75	2,656	426	475	718	1,024
Clinton.....	7,504	3	225	2 50	562	366	332	199	153
Coles.....	9,200	3	276	2 50	690	1,188	278	.....	1,493
Cook.....	5,475	2	109	2 40	262	903	.....	.....	.....
Crawford.....	9,951	3	298	2 80	834	639	296	481	.....
Cumberland.....	5,080	5	254	3 35	851	604	.....	.....	768
DeKalb.....	12,466	3	374	4 00	1,496	2,169	303	1,340	549
DeWitt.....	12,972	2	259	2 00	518	.....	567	.....	.....
Douglas.....	6,604	2	132	2 90	383	685	197	.....	396
DuPage.....	12,164	1	122	3 50	427	669	369	399	165
Edgar.....	14,890	3	447	3 85	1,721	2,554	729	444	263
Edwards.....	11,226	.....	.....	.....	.....	258	356	320	.....
Effingham.....	5,384	.....	.....	.....	.....	926	.....	.....	1,499
Fayette.....	14,496	8	1,160	2 25	2,610	1,151	918	998	.....
Ford.....	1,768	.....	.....	.....	.....	.....	.....	112	.....
Franklin.....	4,519	5	226	2 00	452	459	468	538	247
Fulton.....	26,299	2	405	2 50	1,012	899	182	.....	.....
Gallatin.....	3,310	.....	.....	.....	.....	148	.....	127	236
Greene.....	10,548	5	527	3 15	1,660	903	1,068	370	1,238
Grundy.....	2,232	2	45	4 00	180	178	77	258	.....
Hamilton.....	13,084	5	654	2 00	1,308	852	478	440	.....
Hancock.....	5,008	2	100	3 00	300	.....	194	245	399
Hardin.....	2,295	1	23	1 50	34	61	22	.....	139
Henderson.....	2,521	.....	.....	.....	.....	.....	.....	.....	.....
Henry.....	5,949	1	59	4 00	236	.....	144	570	.....
Iroquois.....	5,562	1	56	3 00	168	209	.....	68	.....
Jackson.....	3,344	3	100	2 80	280	258	.....	301	403
Jasper.....	6,834	7	478	2 10	1,004	1,095	307	1,057	.....
Jefferson.....	9,348	3	280	2 50	700	1,533	540	636	1,134
Jersey.....	5,470	1	55	2 50	137	.....	215	.....	.....
Jo Daviess.....	10,987	1	110	2 65	291	1,055	312	1,196	1,473
Johnson.....	4,210	1	42	2 50	105	229	.....	310	218
Kane.....	12,737	2	250	3 75	956	835	715	2,295	.....
Kankakee.....	3,226	.....	.....	.....	.....	.....	.....	.....	51
Kendall.....	8,970	2	179	2 85	510	.....	1,490	1,394	1,343
Knox.....	16,172	6	970	2 40	2,328	1,352	699	564	1,884
Lake.....	69,857	3	2,096	3 00	6,288	4,584	971	9,560	.....
LaSalle.....	14,891	2	298	3 75	1,117	835	717	1,537	4,324
Lawrence.....	5,822	5	291	3 00	873	781	436	530	699
Lee.....	9,352	1	93	3 00	279	384	414	1,081	219
Livingston.....	5,136	5	257	4 00	1,028	276	.....	.....	.....

SHEEP KILLED BY DOGS, 1880—Continued.

Counties.	Number of sheep assessed May, 1880.	Per cent. killed by dogs.	Number killed.	Value per head.	Amount loss in 1880.	Amount loss in 1879.	Amount loss in 1878.	Amount loss in 1877.	Amount loss in 1876.
Logan.....	8,712	2	174	\$3 25	\$565	\$486	\$131	\$871	.....
Macon.....	9,234	10	928	3 00	2,784	601	318	.....	\$117
Macoupin.....	20,979	2	419	3 00	1,257	1,038	712	1,720	2,302
Madison.....	9,341	2	187	3 50	654	681	358	354	704
Marion.....	11,111	.....	.....	.....	345	158	.....	.....	486
Marshall.....	6,270	2	125	2 60	325	303	.....	.....	.....
Mason.....	518	.....	.....	.....	.....	.....	.....	.....	.....
Masac.....	1,874	.....	.....	.....	.....	.....	92	.....	.....
McDonough.....	9,616	5	481	2 50	1,202	.....	503	430	946
McHenry.....	52,408	2	1,048	2 20	2,305	1,057	1,724	3,990	829
McLean.....	27,389	2	547	3 60	1,969	2,507	833	755	1,574
Menard.....	5,865	2	117	2 85	333	228	375	126	154
Mercer.....	5,548	3	166	3 45	573	262	630	600	.....
Monroe.....	1,480	.....	.....	.....	.....	.....	.....	.....	.....
Montgomery.....	14,420	5	721	2 90	2,091	1,468	1,124	.....	928
Morgan.....	12,646	3	379	6 50	2,463	.....	1,117	1,460	.....
Moultrie.....	5,141	2	103	3 00	309	1,336	403	152	.....
Ogle.....	10,169	1	102	4 00	408	.....	.....	1,149	911
Peoria.....	6,886	2	138	3 85	531	177	200	.....	.....
Perry.....	3,104	1	31	1 50	46	49	176	240	.....
Piatt.....	5,070	2	101	3 25	328	289	564	612	152
Pike.....	12,159	4	486	3 50	1,701	1,155	1,580	1,651	1,007
Pope.....	7,514	5	376	1 50	564	870	507	328	.....
Pulaski.....	698	1	7	1 40	10	21	48	.....	.....
Putnam.....	2,231	1	22	3 30	73	51	42	123	62
Randolph.....	9,094	1	91	2 50	227	949	1,230	1,362	.....
Richland.....	6,943	5	347	2 25	781	470	327	493	.....
Rock Island.....	3,083	5	154	2 50	385	545	322	.....	.....
Saline.....	6,860	8	549	1 75	961	.....	.....	271	443
Sangamon.....	19,739	2	395	3 00	1,185	938	1,085	1,188	1,226
Schuyler.....	5,831	10	583	3 00	1,749	693	599	620	.....
Scott.....	6,149	2	123	4 75	584	140	119	.....	.....
Shelby.....	16,976	2	339	2 50	847	598	566	418	.....
Stark.....	7,119	2	142	3 30	469	1,896	192	.....	538
St. Clair.....	5,605	1	56	3 00	168	204	94	506	.....
Stephenson.....	11,254	3	338	2 75	929	857	270	1,242	.....
Tazewell.....	10,090	1	101	3 00	303	512	1,775	657	301
Union.....	3,747	5	187	2 25	421	302	464	.....	.....
Vermilion.....	26,873	1	269	3 25	874	4,033	1,763	3,182	623
Wabash.....	4,067	5	203	2 75	558	235	338	.....	.....
Warren.....	7,150	2	143	3 00	429	132	99	153	464
Washington.....	5,778	1	58	3 00	174	138	609	802	.....
Wayne.....	12,263	3	367	2 50	917	1,096	461	459	1,049
White.....	6,721	5	336	2 00	472	439	384	515	165
Whiteside.....	7,557	.....	.....	.....	.....	248	464	.....	.....
Will.....	7,288	.....	.....	.....	.....	204	306	.....	.....
Williamson.....	7,768	3	233	2 00	466	564	314	694	371
Winnebago.....	15,828	3	475	3 00	1,425	777	295	524	.....
Woodford.....	3,967	3	119	3 50	416	136	.....	118	.....
Total.....	964,696	3	27,159	\$2 80	\$76,050	\$65,384	\$43,885	\$63,752	\$30,578

VALUE LIVE STOCK MARKETED.

Counties.	HOGS MARKETED.		CATTLE MARKETED.		SHEEP MARKETED.	
	Value 1880	Value 1879	Value 1880	Value 1879	Value 1880	Value 1879
Adams.....	\$446,022	\$309,395	\$216,734	\$83,742	\$9,790	\$7,421
Alexander.....	19,701	20,347	11,165	5,859	460	276
Bond.....	95,918	50,860	73,647	47,082	5,996	4,090
Boone.....	112,213	102,529	146,979	94,761	12,124	7,083
Brown.....	120,016	142,415	80,599	86,227	4,600	4,624
Bureau.....	491,740	447,100	326,535	284,776	5,842	5,031
Calhoun.....	65,760	43,431	27,267	13,685	640	616
Carroll.....	313,102	199,904	386,498	128,880	2,397	1,500
Cass.....	81,042	66,560	105,768	263,577	1,944	544
Champaign.....	372,472	226,889	250,174	122,188	6,194	4,550
Christian.....	322,461	193,165	269,001	249,134	5,830	5,646
Clark.....	133,468	108,851	76,682	40,704	4,969	4,345
Clay.....	93,658	72,645	52,325	37,989	5,192	8,640
Clinton.....	53,448	60,542	55,596	68,978	4,368	3,477
Coles.....	207,306	199,115	194,609	167,270	5,499	5,990
Cook.....	141,050	138,434	202,400	229,128	3,668	1,960
Crawford.....	114,878	78,533	49,169	62,568	7,322	5,881
Cumberland.....	94,331	28,896	41,933	75,671	2,398	1,817
DeKalb.....	401,486	339,478	373,928	314,402	8,550	4,303
DeWitt.....	174,868	129,579	127,036	40,365	8,599	1,824
Douglas.....	178,946	142,999	181,415	167,832	4,755	3,386
DuPage.....	114,397	63,582	209,904	145,617	9,147	8,183
Edgar.....	183,048	187,495	237,159	417,396	8,934	9,273
Edwards.....	92,592	82,875	53,742	37,896	5,949	4,867
Efingham.....	96,124	43,419	39,444	47,303	3,391	2,470
Fayette.....	199,407	116,877	109,872	109,192	7,827	6,185
Ford.....	168,890	113,624	80,520	47,008	1,186	678
Franklin.....	77,812	67,510	25,020	20,092	2,412	1,852
Fulton.....	507,472	417,689	353,902	441,966	10,962	11,127
Gallatin.....	79,087	38,985	26,945	10,325	2,218	602
Greene.....	253,716	97,707	180,128	165,311	7,458	3,940
Grundy.....	131,800	132,762	180,336	101,993	1,784	1,470
Hamilton.....	105,440	37,134	49,717	25,267	6,082	1,983
Hancock.....	482,103	225,652	278,415	237,538	3,357	6,039
Hardin.....	50,582	17,678	11,200	3,334	1,365	290
Henderson.....	201,143	136,897	156,519	139,319	1,688	1,050
Henry.....	583,448	387,629	447,736	316,839	5,712	1,555
Iroquois.....	324,309	272,553	255,713	260,312	5,395	3,044
Jackson.....	135,623	73,775	34,030	14,375	2,408	1,725
Jasper.....	112,751	82,084	49,248	29,520	3,021	2,107
Jefferson.....	111,669	77,512	52,337	33,396	4,434	1,595
Jersey.....	154,247	109,998	71,044	49,926	4,002	5,024
JoDavess.....	310,204	277,430	336,114	294,823	6,871	4,177
Johnson.....	84,396	66,393	13,504	4,612	2,105	1,144
Kane.....	210,857	160,463	346,399	327,229	8,022	8,207
Kankakee.....	82,501	74,460	139,902	164,700	1,587	321
Kendall.....	187,716	116,593	168,992	136,388	8,188	12,833
Knox.....	453,898	482,658	386,602	271,550	10,510	8,775
Lake.....	88,217	88,698	143,765	99,597	44,009	53,727
LaSalle.....	563,554	459,768	474,183	497,511	11,655	7,756
Lawrence.....	95,738	67,122	55,572	158,137	3,608	4,779
Lee.....	206,996	151,142	314,718	200,179	6,192	2,968
Livingston.....	531,270	506,835	314,496	241,593	3,440	1,380

VALUE LIVE STOCK MARKETED—Continued.

Counties.	HOGS MARKETED.		CATTLE MARKETED.		SHEEP MARKETED.	
	Value 1880	Value 1879	Value 1880	Value 1879	Value 1880	Value 1879
Logan.....	\$348,648	\$268,302	\$258,423	\$228,951	\$6,968	\$3,108
Macon.....	331,552	225,896	159,345	72,659	7,150	4,469
Macoupin.....	344,025	277,945	251,371	1,033,281	14,057	8,301
Madison.....	292,144	148,376	117,530	51,234	7,005	8,079
Marion.....	121,192	76,962	169,182	152,880	7,444	15,996
Marshall.....	239,656	193,170	125,932	122,346	4,563	2,589
Mason.....	103,460	68,849	46,270	20,962	364	279
Massac.....	66,815	67,640	24,720	13,365	1,256	413
McDonough.....	403,117	228,499	241,587	278,096	5,769	4,965
McHenry.....	199,325	150,385	340,045	175,156	43,184	33,994
McLean.....	701,811	544,651	431,236	720,262	20,420	8,898
Menard.....	112,320	87,592	119,267	268,425	4,004	3,128
Mercer.....	406,640	295,600	353,249	410,015	4,061	3,373
Monroe.....	65,298	39,048	20,858	11,723	798	795
Montgomery.....	296,788	136,875	125,364	302,770	8,584	7,337
Morgan.....	89,540	62,038	143,024	438,880	9,616	4,555
Moultrie.....	129,022	91,524	117,321	132,643	3,664	2,357
Ogle.....	421,566	270,469	368,681	153,591	7,245	3,447
Peoria.....	409,644	375,937	344,575	746,662	6,454	6,692
Perry.....	43,869	29,157	24,556	20,436	1,364	1,294
Piatt.....	160,618	129,970	125,279	160,416	3,654	1,884
Pike.....	343,836	216,129	221,318	218,078	10,069	5,547
Pope.....	83,074	81,783	31,185	13,626	7,515	2,844
Pulaski.....	29,608	17,850	12,410	12,070	387	590
Putnam.....	92,157	93,057	62,000	110,405	1,561	1,149
Randolph.....	120,784	84,064	45,136	50,303	7,390	5,316
Richland.....	57,921	64,638	34,019	27,977	2,916	2,576
Rock Island.....	255,344	176,855	203,870	223,801	2,614	732
Saline.....	85,806	85,489	20,840	13,370	1,921	982
Sangamon.....	423,521	398,953	388,012	446,003	14,896	11,479
Schuyler.....	244,590	131,836	176,060	159,134	4,161	2,918
Scott.....	141,704	93,007	65,952	77,696	5,253	3,153
Shelby.....	320,153	286,605	242,592	206,625	12,094	10,419
Stark.....	284,895	233,155	136,886	91,736	6,675	3,698
St. Clair.....	167,779	102,177	62,451	25,223	4,484	1,063
Stephenson.....	340,366	246,126	244,484	118,398	7,091	7,762
Tazewell.....	295,868	213,693	161,302	175,755	7,063	7,641
Union.....	96,420	76,786	34,425	39,676	2,509	2,156
Vermilion.....	352,921	286,593	398,235	316,353	19,190	19,663
Wabash.....	43,070	36,225	25,716	11,522	2,500	4,134
Warren.....	416,064	237,256	261,260	200,106	5,890	2,200
Washington.....	86,040	54,108	59,243	50,048	2,312	3,420
Wayne.....	126,392	130,293	82,342	57,635	7,137	3,355
White.....	145,309	142,200	51,325	50,531	3,361	2,548
Whiteside.....	305,299	296,343	348,348	819,862	5,440	2,331
Will.....	309,527	223,202	478,708	341,579	7,875	3,748
Williamson.....	85,132	70,006	17,539	19,679	5,212	1,356
Winnebago.....	204,418	162,394	202,810	99,934	10,494	5,990
Woodford.....	322,522	293,689	203,209	124,110	2,775	5,031
Total.....	\$22,137,461	\$16,640,061	\$17,026,130	\$16,751,450	\$652,465	\$513,884

VALUE FARM PRODUCTS, ETC., 1880.

Counties	*Value farm crops..	Total acreage in county as returned to Auditor, 1878, except as noted.....	Average value of farm crops per acre in county.....	Assessed value per acre of land, 1880..	Equalized value per acre—50 per cent. valuation.....	Full value.	Per cent. of value of crops, 1880, to full val. of land per acre
Adams.....	\$3,092,445	528,005	\$5 85	\$15 22	\$15 68	\$31 36	18
Alexander.....	307,097	109,381	2 80	3 50	3 04	6 08	46
Bond.....	1,052,343	*252,311	4 17	8 58	7 38	14 76	28
Boone.....	1,045,482	+177,813	5 87	17 54	15 79	31 58	19
Brown.....	936,584	+190,247	4 92	8 00	8 16	16 32	30
Bureau.....	3,678,244	+548,331	6 70	13 84	14 67	29 34	22
Calhoun.....	703,818	166,213	4 23	4 51	3 88	7 76	54
Carroll.....	1,971,075	+288,322	6 83	12 78	10 87	21 74	31
Cass.....	1,014,136	+240,742	4 21	11 26	11 26	22 52	18
Champaign.....	3,680,629	+621,693	5 92	10 67	12 80	25 60	23
Christian.....	3,529,629	+447,580	7 88	13 30	13 30	26 60	29
Clark.....	1,293,063	*322,122	4 01	5 07	6 23	12 46	32
Clay.....	896,763	280,590	3 19	6 27	6 09	12 18	26
Clinton.....	2,054,734	*305,381	6 72	7 78	8 24	16 48	40
Coles.....	1,557,560	*321,819	4 83	10 57	12 47	24 94	19
Cook.....	3,442,844	514,092	6 69	21 19	25 64	51 28	13
Crawford.....	1,225,869	275,601	4 45	4 68	5 10	10 20	43
Cumberland.....	841,241	*220,829	3 81	3 43	4 97	9 94	38
DeKalb.....	3,393,634	399,363	8 49	16 41	12 97	25 94	32
DeWitt.....	1,213,858	+251,667	4 82	13 24	14 69	29 38	16
Douglas.....	1,714,764	*363,066	6 51	10 72	12 22	24 44	26
DuPage.....	1,668,577	*206,077	8 09	19 90	21 09	42 18	19
Edgar.....	2,928,898	398,600	7 34	10 08	11 99	23 98	30
Edwards.....	552,783	140,598	3 93	8 22	7 90	15 80	24
Effingham.....	1,195,888	276,610	4 32	5 52	5 90	11 80	36
Fayette.....	1,476,713	*414,804	3 56	4 66	6 10	12 20	29
Ford.....	1,767,689	+314,759	5 61	6 99	8 25	16 50	34
Franklin.....	580,279	+248,910	2 33	3 08	3 08	6 16	38
Fulton.....	2,502,524	549,973	4 55	13 22	13 22	26 44	17
Gallatin.....	535,749	200,565	2 67	4 53	3 54	7 08	37
Greene.....	2,487,762	343,197	7 24	11 65	10 96	21 92	33
Grundy.....	1,605,752	+268,782	5 97	13 13	13 00	26 00	23
Hamilton.....	698,697	*273,962	2 55	3 13	3 13	6 26	40
Hancock.....	3,006,643	493,644	6 09	12 87	12 87	25 74	23
Hardin.....	258,528	109,408	2 36	4 43	2 97	5 94	40
Henderson.....	1,356,465	238,791	5 68	10 11	9 50	19 00	29
Henry.....	3,482,710	515,379	6 75	17 55	14 04	28 08	24
Iroquois.....	3,074,358	705,518	4 35	9 90	9 31	18 62	23
Jackson.....	846,980	+319,906	2 64	3 33	3 63	7 26	36
Jasper.....	879,079	+310,642	2 82	3 56	5 02	10 04	28
Jefferson.....	1,147,366	+335,477	3 42	3 26	3 94	7 88	43
Jersey.....	1,862,231	233,233	7 98	14 17	13 60	27 20	29
JoDaviss.....	1,759,184	*377,451	4 66	7 53	6 78	13 56	34
Johnson.....	444,618	*209,413	2 12	1 61	2 98	5 96	36
Kane.....	1,956,146	*323,135	6 05	18 81	16 56	33 12	13
Kankakee.....	1,923,010	420,653	4 57	7 95	8 74	17 48	26
Kendall.....	1,784,776	+202,376	8 81	17 95	14 90	29 80	29
Knox.....	3,490,254	+448,417	7 78	18 46	15 70	31 40	24
Lake.....	1,326,693	*284,273	4 68	12 81	12 81	25 62	18
LaSalle.....	5,170,046	+711,852	7 26	19 48	15 59	31 18	23
Lawrence.....	1,145,618	+229,411	4 99	5 02	5 67	11 34	44
Lee.....	2,338,064	+457,206	5 12	14 97	12 43	24 86	20
Livingston.....	2,995,625	655,040	4 57	11 10	11 32	22 64	20

VALUE FARM PRODUCTS, ETC., 1880—Continued.

Counties.	* Value farm crops.	Total acreage in county as returned to Auditor, 1878, except as noted.	Average value of farm crops per acre in county	Assessed value per acre of land, 1880...	Equalized value per acre—80 per cent. valuation.....	Full value.....	Per cent. of value of crops, 1880, to full val. of land per acre
Logan.....	\$2,522,738	+391,946	\$6 44	\$14 14	\$16 97	\$33 94	19
Macon.....	2,675,164	366,256	7 30	16 85	15 68	31 36	23
Macoupin.....	4,255,846	543,217	7 83	7 37	13 63	27 26	28
Madison.....	4,658,575	448,614	10 38	18 01	18 01	36 02	28
Marion.....	1,216,074	+336,758	3 61	6 35	7 43	14 86	42
Marshall.....	1,805,296	+247,970	7 28	14 35	12 49	24 98	29
Mason.....	722,046	351,328	2 05	7 92	8 63	17 26	45
Massac.....	435,257	+149,051	2 92	3 42	3 11	6 22	46
McDonough ..	1,883,491	+364,090	5 17	14 88	14 44	28 88	17
McHenry.....	2,685,615	384,265	6 98	14 94	12 25	24 50	28
McLean.....	4,720,811	744,235	6 34	15 00	16 50	33 00	18
Menard.....	1,152,760	*199,741	5 77	15 17	14 42	28 84	20
Mercer.....	2,206,528	+347,823	6 34	12 41	12 17	24 34	26
Monroe.....	1,791,374	231,653	7 73	6 44	7 60	15 20	50
Montgomery ..	3,978,721	+439,606	9 05	10 27	9 67	19 34	46
Morgan.....	3,258,652	+353,352	9 22	18 24	15 69	31 38	29
Moultrie.....	1,173,240	216,211	5 42	9 72	10 98	21 96	24
Ogle.....	3,109,698	+479,193	6 49	17 01	13 10	26 20	24
Peoria.....	2,963,204	386,927	7 65	17 50	15 58	31 16	24
Perry.....	490,236	+245,903	1 99	5 32	5 11	10 22	19
Platt.....	1,493,302	*275,577	5 41	13 36	12 69	25 38	21
Pike.....	3,331,483	+511,963	6 50	11 45	10 99	21 98	29
Pope.....	666,517	+232,966	2 86	2 85	2 93	5 86	48
Pulaski.....	655,132	+112,743	5 81	4 30	3 57	7 14	81
Putnam.....	604,941	*105,991	5 71	13 02	13 15	26 30	21
Randolph.....	1,779,712	357,687	4 97	6 17	7 09	14 18	35
Richland.....	650,513	227,274	2 86	5 88	5 06	10 12	28
Rock Island.....	1,501,663	*266,571	5 63	12 10	10 89	21 78	25
Saline.....	412,290	240,628	1 71	2 92	2 92	5 84	29
Sangamon.....	3,465,724	+547,706	6 32	18 23	17 14	34 28	18
Schuyler.....	1,220,797	276,303	4 41	9 24	8 78	17 56	25
Scott.....	976,674	156,794	6 22	12 81	11 02	22 04	28
Shelby.....	2,465,461	+484,725	5 08	10 19	10 19	20 38	24
Stark.....	1,333,137	+180,961	7 36	19 87	15 10	30 20	24
St. Clair.....	3,733,872	+416,466	8 96	26 50	22 26	44 52	20
Stephenson.....	2,504,108	*357,240	7 00	17 33	14 38	28 76	24
Tazewell.....	2,531,766	408,748	6 19	15 52	15 06	30 12	20
Union.....	795,914	+220,086	3 61	4 55	3 91	7 82	46
Vermillion.....	4,012,153	+564,702	7 10	11 92	13 59	27 18	26
Wabash.....	488,659	+152,599	3 20	7 07	7 35	14 70	21
Warren.....	2,317,501	+339,801	6 82	15 68	14 93	29 86	22
Washington.....	1,728,947	+339,358	5 09	8 77	8 68	17 36	29
Wayne.....	1,081,534	449,610	2 40	2 95	3 68	7 36	32
White.....	1,048,892	+313,814	3 34	2 62	3 95	7 90	42
Whiteside.....	2,434,944	+432,412	5 63	12 86	11 57	23 14	24
Will.....	4,136,026	+524,692	7 88	15 47	14 23	28 46	27
Williamson.....	488,032	254,843	1 91	3 05	3 14	6 28	30
Winnebago.....	2,086,835	*322,102	6 47	13 91	13 03	26 16	24
Woodford.....	1,842,261	+337,182	5 46	14 90	14 45	23 90	18
Total.....	\$96,389,633	34,582,929	\$5 67	.....	.....	.....	27

‡ Corn, Meadows, Winter Wheat, Spring Wheat, Oats, Pastures, Orchards, Rye, Barley
Irish Potatoes, Sorghum, Flax Seed.

* Assessors' returns, 1879.

† Assessors' returns, 1880.

Counties.	Corn	Meadows.	Winter Wheat.	Spring Wheat.	Oats.	Pastures.	Orchards.	Rye.	Barley.	Irish Potatoes.	Sorghum.	Flax Seed.
Adams.....	\$1,300,551	\$358,395	\$719,440	\$2,425	\$166,235	\$161,712	\$259,070	\$5,298	\$1,625	\$94,068	\$23,625	
Alexander.....	180,206	10,608	89,892	310	3,041	308	8,764	38		8,379	5,551	
Bond.....	195,534	131,525	517,232		45,030	41,222	121,800					
Boone.....	396,251	174,810	22,183	24,179	197,754	155,336	19,875	22,610	3,679	15,753	300	\$12,747
Brown.....	291,127	86,655	387,232		25,306	70,295	36,937	2,570		53,937	10,080	
Bureau.....	2,178,262	344,152	4,389	104,020	230,551	527,473	198,458	15,858	19,219	4,116	2,025	
Calhoun.....	188,352	31,150	428,584		8,938	11,868	30,216	87		27,470	537	
Carroll.....	856,667	247,681	195,125		235,809	158,358	92,300	48,286	69,510	39,776	600	576
Cass.....	507,371	44,674	286,843	5,508	49,464	54,376	46,880	4,836	302	13,282	9,174	109,170
Champaign.....	2,432,298	216,610	327,219	8,151	134,069	255,120	125,950	25,092		34,827	4,692	5,344
Christian.....	1,096,763	332,361	1,667,000	8,452	79,596	195,604	34,470	1,681	4,430	11,444	12,894	168
Clark.....	377,008	114,410	637,403	101	39,840	63,644	34,470	1,900		2,937	6,426	18,880
Clay.....	220,421	114,438	414,866		42,736	77,111	65,000	497		2,012	5,557	
Coles.....	713,202	107,650	1,273,306	7,501	53,487	78,075	27,675	1,531	133	1,389	3,946	
Cook.....	806,415	1,180,709	3,835	34,012	386,109	257,503	214,750	13,176	3,960	357,723		184,647
Crawford.....	382,264	87,030	533,523		51,534	54,898	76,000	998	151	21,465	17,891	115
Cumberland.....	265,185	136,380	302,744	173	47,755	36,021	35,575	1,325	257	6,251	9,545	
DeKalb.....	1,640,122	645,351	1,771	31,479	330,473	416,640	150,082	9,285	29,767	37,638	2,211	100,785
Dewitt.....	863,977	151,042	121,459	13,552	71,095	94,644	81,920	22,889	297	10,653	2,340	
Douglas.....	699,193	102,084	366,850	972	45,526	227,506	93,650	6,988	317	8,187	3,511	
DuPage.....	490,421	433,890	2,654	24,468	204,917	158,004	58,782	15,698	2,041	223,301	140	54,261
Edgar.....	1,280,619	233,375	667,953	859	62,370	501,015	92,394	4,041	287	25,805	53,595	585
Edwards.....	147,278	272,106	272,106		10,862	13,708	41,790		106	15,372	5,160	
Efingham.....	294,891	194,615	765,811	14	96,094	36,356	15,561	3,875	106	15,372	5,160	
Fayette.....	369,952	161,413	531,426	122	78,248	42,704	34,384	1,854	620	11,200	12,223	36
Ford.....	1,181,270	131,110	2,478	2,512	105,267	89,061	30,585	8,854	70	34,740	2,736	201,998
Franklin.....	205,772	51,178	215,093	190	31,416	4,995	65,732	76		8,554	5,400	202
Fulton.....	1,229,489	262,374	538,912	41,227	165,022	3,940	85,732	81,128	1,406	34,740	8,554	
Gallatin.....	214,764	42,800	545,635	238	5,245	7,531	8,832	390		11,457	3,452	
Greene.....	817,551	126,297	35,470	794	35,470	227,272	39,682	447		36,529	8,406	
Grundy.....	1,031,048	224,739	1,225,340	672	86,632	129,130	59,282	14,347	862	7,308	3,456	
Hamilton.....	190,064	101,636	311,696	3,684	12,327	274,912	39,682	141		11,457	3,452	
Hancock.....	1,611,221	258,408	274,912	45,328	75,310	213,184	136,960	28,671	135	6,150	11,760	18,021
Hardin.....	71,445	35,535	35,535		6,390	19,530	19,530	210		30,937	10,886	252
Henderson.....	853,648	112,212	93,364	43,279	75,684	18,408	31,559			35,210	5,220	
Henry.....	2,073,884	541,212	4,840	60,356	182,000	112,530	50,149		1,187	30,559	1,485	
Iroquois.....	1,789,410	384,665	57,502	6,238	244,065	348,174	133,827	30,475	9,866	22,805	7,605	
Jackson.....	200,927	106,890	325,102	8,859	23,432	29,100	76,170	762	1,950	12,211	224,816	
Jasper.....	359,075	89,947	370,127		29,780	11,280	24,385	1,696	1,194	32,550	10,994	
Jefferson.....	305,468	54,802	585,157	144	47,223	41,965	73,980	1,247	470	9,894	15,494	12,040
										7,127	25,886	3,897

Jersey.....	392, 129	146, 314	1, 089, 792	194	34, 002	96, 092	76, 405	95	11, 012	26, 656	552
Jo Daviess.....	721, 954	333, 015	115, 564	32, 414	235, 796	175, 808	34, 947	18, 241	7, 997	3, 463	1, 764
Johnson.....	190, 758	408, 240	133, 653	8	6, 885	12, 408	52, 387	86	7, 762	50, 202	4, 720
Kane.....	684, 275	48, 240	2, 952	39, 980	316, 874	276, 790	70, 087	22, 694	3, 064	38, 752	2, 040
Kankakee.....	977, 287	511, 495	29, 440	7, 474	176, 574	130, 691	26, 706	2, 990	579	14, 535	285
Kendall.....	979, 548	373, 056	2, 023	12, 019	131, 823	178, 923	65, 370	44, 406	44, 974	94, 584	14, 930
Knox.....	825, 471	427, 728	68, 817	42, 442	325, 463	461, 656	232, 071	4, 600	1, 695	105, 991	7, 398
Lake.....	333, 427	345, 878	29, 774	46, 342	238, 919	125, 765	82, 839	23, 414	10, 757	13, 868	9, 528
LaSalle.....	3, 150, 542	915, 302	5, 290	48, 342	399, 286	365, 158	75, 060	1, 664	2, 972	15, 868	9
Lawrence.....	412, 444	56, 895	498, 064	3, 810	18, 354	54, 370	39, 277	50, 215	922	6, 354	150, 024
Lee.....	1, 292, 858	383, 175	5, 401	313, 362	138, 094	170, 808	59, 128	50, 215	922	6, 354	150, 024
Livingston.....	1, 525, 685	575, 900	5, 401	298, 785	233, 739	298, 785	107, 100	13, 669	2, 918	20, 898	1, 800
Logan.....	1, 590, 067	118, 761	398, 177	14, 150	93, 490	158, 819	107, 100	13, 669	2, 918	20, 898	1, 800
Macon.....	1, 573, 984	156, 689	116, 364	16, 036	114, 051	128, 796	208, 450	3, 360	1, 302	29, 830	3, 634
Macoupin.....	2, 469, 270	276, 126	2, 469, 270	16, 684	193, 820	110, 314	128, 639	3, 360	1, 302	29, 830	3, 634
Madison.....	1, 048, 856	276, 027	3, 043, 884	92, 529	92, 529	110, 985	155, 070	5, 648	10, 010	10, 647	1, 540
Marion.....	877, 212	197, 400	624, 089	36, 476	36, 476	47, 264	44, 937	16, 927	11, 711	3, 319	90
Marshall.....	1, 222, 380	157, 965	9, 725	29, 579	175, 919	133, 614	25, 485	28	4, 408	4, 950	4, 408
Mason.....	430, 605	42, 431	147, 824	6, 151	33, 555	36, 475	74, 031	49, 421	8, 302	24, 933	4, 408
Massac.....	184, 730	53, 200	146, 699	43	6, 106	8, 171	75, 455	11, 578	9, 478	88, 897	12, 524
McDonough.....	1, 038, 623	109, 046	136, 993	104, 197	202, 430	424, 704	170, 720	81, 229	5, 277	98, 708	35, 913
McHenry.....	638, 678	506, 624	12, 346	109, 230	354, 930	383, 716	27, 901	8, 315	2, 560	17, 240	56, 539
McLean.....	2, 618, 012	426, 873	204, 776	35, 671	314, 061	129, 989	27, 901	8, 315	2, 560	17, 240	56, 539
Menard.....	530, 536	94, 113	280, 794	3, 563	57, 435	316, 927	23, 437	36, 006	1, 832	21, 883	10, 150
Mercer.....	1, 320, 660	225, 808	1, 470	63, 440	139, 630	25, 281	23, 437	228	1, 705	90, 110	3, 220
Monroe.....	227, 837	89, 856	1, 299, 334	89, 051	60, 343	115, 226	44, 437	11, 007	514	60, 577	9, 266
Montgomery.....	809, 783	213, 819	2, 661, 331	7, 600	89, 611	300, 336	106, 709	47, 819	102, 000	102, 000	4, 480
Morgan.....	1, 513, 335	73, 098	936, 366	970	50, 040	100, 104	108, 540	4, 338	1, 361	11, 484	4, 862
Moultrie.....	1, 554, 670	374, 255	66, 474	66, 474	520, 368	205, 215	39, 758	49, 434	108, 014	62, 076	1, 350
Ogle.....	1, 748, 538	80, 331	80, 331	31, 181	291, 872	205, 385	69, 720	71, 016	439	64, 233	6, 569
Peoria.....	27, 299	340, 357	22, 599	21	724	9, 736	69, 720	71, 016	439	4, 408	1, 578
Perry.....	69, 738	27, 299	127, 664	3, 461	107, 516	119, 548	44, 980	18, 810	291	10, 051	11, 025
Platt.....	924, 301	87, 534	2, 073, 950	1, 671	26, 121	244, 530	89, 380	1, 778	32, 892	76, 074	14, 154
Pike.....	687, 793	40, 215	169, 830	1, 671	26, 121	42, 590	46, 340	190	2, 922	2, 922	3, 694
Pope.....	251, 003	61, 800	185, 984	15, 900	4, 687	306, 425	41, 720	7, 841	151	8, 700	1, 740
Pulaski.....	411, 404	63, 514	3, 115	15, 900	38, 032	41, 260	13, 284	192	115	33, 150	12, 438
Putnam.....	435, 135	103, 008	3, 115	15, 900	38, 032	27, 807	49, 300	62	302	6, 930	6, 615
Randolph.....	151, 688	63, 825	302, 980	36	16, 347	49, 300	49, 860	28, 954	9, 270	45, 240	2, 570
Richland.....	643, 298	347, 443	72, 725	72, 725	99, 552	157, 882	88, 480	28, 954	9, 270	3, 870	21, 868
Rock Island.....	122, 906	69, 840	147, 158	318	8, 688	3, 298	34, 520	15, 341	4, 385	38, 812	4, 500
Saline.....	1, 476, 403	239, 824	16, 737	16, 737	84, 124	400, 442	118, 950	15, 341	4, 385	10, 120	10, 120
Sangamon.....	511, 926	108, 560	453, 621	7, 207	41, 144	44, 934	24, 570	7, 202	372	11, 138	90
Schuyler.....	363, 152	80, 837	1, 036, 209	1, 747	5, 701	65, 012	14, 180	514	7, 879	15, 750	1, 872
Scott.....	1, 859, 353	228, 137	1, 036, 171	1, 747	91, 123	95, 574	46, 900	12, 034	61	19, 998	14, 094
Shelby.....	847, 276	116, 845	1, 545	24, 473	136, 846	124, 660	43, 950	14, 637	8, 491	206, 245	5, 047
Stark.....	813, 260	258, 012	2, 143, 873	945	101, 227	172, 028	124, 832	110, 966	150, 813	40, 783	15, 864
St. Clair.....	1, 066, 119	400, 983	85, 857	286, 757	156, 409	61, 884	61, 884	48, 070	2, 527	30, 289	4, 125
Stephenson.....	1, 627, 427	282, 724	328, 128	29, 421	169, 760	222, 120	161, 400	48, 070	2, 527	30, 289	4, 125
Tazewell.....	1, 627, 427	282, 724	328, 128	29, 421	169, 760	222, 120	161, 400	48, 070	2, 527	30, 289	4, 125
Union.....	85, 296	251, 660	251, 660	382	10, 917	23, 980	150, 465	8, 292	1, 693	31, 122	9, 550
Vermilion.....	1, 936, 624	285, 014	1, 035, 422	4, 621	38, 066	392, 324	150, 465	8, 292	1, 693	31, 122	9, 550

Value of Principal Crops in 1880—Continued.

Counties.	Corn.	Meadows.	Winter Wheat.	Spring Wheat.	Oats.	Pastures.	Orchards.	Rye.	Barley.	Irish Potatoes.	Sorghum.	Flax Seed.
Wabash.....	\$125,055	\$49,900	\$222,097	.....	\$7,405	\$14,909	\$52,470	\$400				
Warren.....	1,446,470	160,506	14,825	\$53,772	223,648	247,008	139,073	13,919	\$121	\$12,616	\$3,686	.....
Washington.....	203,060	50,589	1,117,975	.....	206,484	34,622	93,750	1,025	574	13,423	4,283	.....
Wayne.....	324,594	101,789	444,444	.....	41,688	53,676	74,928	960	.....	16,345	4,498	\$506
White.....	362,137	103,400	477,579	.....	13,001	25,990	41,730	181	.....	11,008	26,136	2,302
Whiteside.....	1,332,145	290,150	3,040	.....	303,300	213,425	124,550	37,440	.....	12,526	12,348	.....
Will.....	1,782,908	946,298	8,052	53,284	684,266	308,840	152,515	16,033	33,810	42,500	1,300	.....
Williamson.....	158,467	61,536	179,084	30,750	12,100	17,905	41,680	95	1,179	168,020	1,215	.....
Winnebago.....	996,754	225,589	36,590	58,630	351,872	217,080	83,375	63,605	.....	11,385	5,780	35,920
Woodford.....	1,022,351	238,408	46,477	19,227	278,696	149,845	30,966	40,339	10,917	40,903	1,250	470
Total.....	\$83,757,039	\$22,589,691	\$44,457,428	\$2,039,732	\$12,858,247	\$14,491,114	\$476,490	\$1,513,587	\$560,703	\$3,689,348	\$676,630	\$1,579,634

8.176.480

SUMMARY of Meteorological Observations for the year 1880; made at Belvidere, Boone county, Illinois. Longitude 88° 47'; Latitude 42° 15'. Elevation above the level of the sea, 810 feet. Compiled for the Illinois Department of Agriculture, by G. B. Moss, Vol. Obs., Signal Service, U. S. A.

MONTH	THERMOMETER.				PRECIPITATION.		CLOUDINESS.				WINDS.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Observations *at 7 a. m. & 2 and 9 p. m.	Mean of mo..	Mean of seasons.....	March of t'm- per'ture fr'm mo. to mo.	Max. Tempera- ture.		Min. Tempera- ture.		Max. daily mean temp'r- ature.	Min. daily mean temper- ature.	Of month....	Of season ...	Ins.	Snowfall	Rainy days - over 01 inches	Da's wholly cl	D'y's whl.cl'd'y	Days cloudy over 80 p'r ct	Sums of cloudiness.	Means.....	No. Times in Each Direction.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
					Date.	Deg.	Date.	Deg.													Date.	Deg.	Total	North.....	Northeast.....	East.....	Southeast.....	South	Southw'st.....	West	Northw'st.....	Calm																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
Jan..	4179.6	33.71	Win.	11	55	15	10	3	46.95	28	16.95	3.63	Winter	9	1	7	10	527	5.66	11	13	7	13	28	2	6	13	0	93	8	87	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93	90	93	93

Mean, 12 years, 34.93.

Mean, 46.87.

Mean, 48.50.

Mean, 13 years, 46.25.
*Sums including 9 p. m. bis.

REMARKS FOR AUGUST.

BELVIDERE.—G. B. Moss, observer. Thunderstorms on the 9th, 19th, 24th, 25th, 27th and 30th; brilliant auroral display on the 12th; month very dry to the 24th. Mean temperature of 14 Augusts 70° 18, 1880 being the warmest, 72° 29, and 1875 the coldest, 67° 31; August, 1874, was nearly as warm as 1880, being 72° 26 mean temperature of summer, 71° 61, of 14 years 70° 31; the hottest summer was 1874, 72° 78, and the coldest 1875, 66° 78; there were severe frosts on the nights of August 22d and 23d, 1875. Precipitation of August, 1880, 4.44 inches; mean of 12 Augusts 2.50 inches; August 1869, was wetter, 4.96 inches, and 1875, drier, 1.17 inches; precipitation of summer, 17.16 inches; mean of 12 summers, 12.53 inches; that of 1869 being the wettest, 20.03 inches, and 1874 the driest, 5.05 inches; a very severe drought the 1st to 25th; only 0.82 of an inch of rainfall during that time; mercury indicated 100° on the 18th; only twice before has it reached that point in 14 years.

MARENGO.—John W. James, observer. Thunderstorms on the 9th, 19th, 23d, 27th; aurora on the 12th; solar holes on the 9th and 15th; lunar halo on the 16th, and polar bands on the 16th; mean temperature of August, 1880, 2° higher than usual; in 19 years past only August, 1867 was hotter; Augusts of 1876 and 1875 were the same; amount of rainfall 0.59 inch more than usual; the first three weeks of the month was excessively dry; six-sevenths of the rain fell from the 23d to 30th; in 19 years past only five Augusts have had a greater rain fall; mean temperature of the summer 70° 7 or 1° 2 higher than usual; amount of rainfall 12.20 inches, or 0.51 more than usual; in 19 years only five summers were hotter and seven wetter.

ELGIN.—E. L. Giddings, observer. Thunderstorms on the 9th, 19th and 27th; aurora on the 12th.

CHICAGO.—J. Mitchell, U. S. A., observer. Mean temperature of 6 Augusts 72° 3, 1878 being the warmest, 74° 1, and 1875 the coolest, 68° 7; mean precipitation of 6 Augusts, 3.09 inches; August 1880, the wettest, 4.47 inches, and 1879 the driest, 0.45 inches; the highest temperature was on the 18th, 93° , and the lowest 53° on the 4th; highest barometer 30.238 on the 16th, and the lowest 29.662 on the 20th; greatest velocity of wind, 24 miles; distance traveled by the wind during the month, 5726 miles.

MORRISON.—L. A. Maxwell, observer. Thunderstorms August 17, 19, 23, 27, 28, and 31. Meteors on the 9th, 10th and 11th. No rain during the first half of the month.

ELMIRA.—O. A. Blanchard observer. Thunderstorms on the 1st, 19th, 24th, 27th and 31st. Aurora on the 12th. Monthly average temperature at 7 a. m., 0° 81; cooler than the average at 9 p. m. On thirteen days the temperature at 2 p. m. was between 90 and 99 degrees, and at 1 p. m. on the 19th 100° .

PEORIA.—Fred Bendel, observer. Thunderstorms on the 1st, 27th, 29th and 31st.

AUGUSTA.—S. B. Mead, observer. Thunderstorms on the 1st, 24th and 28th. Lunar halo on the 15th.

CANTON.—N. S. Wright, observer. Thunderstorms on the 1st, 27th, 28th and 31st. Aurora on the 12th. On August 1, two storms gathered, one in the W. by S., the other NW., both seemed to move nearly East; the storm from the West reached here at 7:50 p. m.; very little wind; lightning sharp; thunder not unusually heavy; rain fell in torrents, flooding the earth in a few moments. This storm passed E. by N., uniting, evidently, with the one that gathered in the NW., when the two returned with similar results. Nearly all the bridges on wagon roads were carried away. The extent of the storm, of the character described, was about three miles in diameter. No gauge measured the quantity of water that fell; on a creek, where a high-water mark has been kept for many years, the water reached a point two feet above any previous record. Counting this rainfall at 10 inches (the lowest estimate by any one being twelve inches, judging by the vessels that were setting out from buildings, and known to be empty before the storm) and our rainfall for the month is 11.02 inches.

SPRINGFIELD.—T. B. Jennings, U. S. A., observer. Thunderstorms August 1, 23, 27, 28, 29, 31; Aurora on the 12th; Meteors on the 24th. The mean temperature of the month 2° 5 higher than August 1879, and the precipitation 2.03 inches less. Highest velocity of wind, 24 miles; direction NW.; total movement of wind, 5284 miles.

MT. STERLING.—Wm. M. Bower, observer. Thunderstorms August 1, 9, 17, 27 and 31.

CENTRALIA.—J. L. Hallam, observer. The most remarkable phenomena during the month, has been the uniformly high temperature, a cloudless sky morning and evening, with clouds indicating rain in the afternoon, for 20 days, during the latter part of the month; have been local rains sufficient for farming operations in some localities within ten miles of us; health remarkably good.

GOLCONDA.—J. E. Y. Hanna, observer. Thunderstorms August 2, 10, 11, 20 and 30; hail on the 10th; smoky on the 12th, 14th, 15th, 16th and 25th; fog on the 11th, 22d, 23d and 29th.

STATIONS.		Elevation above sea level.	THERMOMETER.						BAROMETER.						WIND.		RAIN.		No. of days on which cloudiness averaged 0.8 or more.....	Relative humidity.....																			
		Fect.	Highest.....	Lowest.....	Mean.....	Range of.....	Highest daily mean.....	Lowest daily mean.....	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	Deg.	No.	Deg.																			
																					NORTHERN DIVISION.																		
																					County. Post Office.																		
Winnebago	Durand	798	88	30	59	58	74	44	.....	.....	.....	.....	.....	.....	S	3	7	8.44	8	.....																		
Boone.....	Belvidere	810	86	32	60	48	76	43	.....	.....	.....	.....	.....	.....	DW-SW	4	8	6.92	2	.....																		
McHenry.....	Marengo.....	925	83	38	59	51	75	44	.....	.....	.....	.....	.....	.....	SW	5	9	4.02	5	.....																		
Kane.....	Elgin.....	777	85	36	61	49	75	46	30.34	29.75	30.09	0.59	30.30	29.93	SW	6	6	4.25	.....	.....																	
Cook.....	Chicago.....	657	85	40	63	45	75	49	30.00	29.60	30.00	0.40	30.23	29.79	SW	4	13	2.25	.....	66.9																		
Whiteside.....	Morrison.....	670	87	32	61	55	77	50	.....	.....	.....	.....	.....	.....	NW	5	7	4.94	.....	.....																	
																					CENTRAL DIVISION.																		
Stark.....	Elmira.....	88	34	59	54	75	43	29.95	29.41	29.70	0.54	29.88	29.47	4	1.74	3	72																		
Peoria.....	Peoria.....	460	88	38	65	50	79	50	.....	.....	.....	.....	.....	.....	S	4	8	3.09	.....	.....																	
Hancock.....	Augusta.....	681	83	41	64	42	77	49	.....	.....	.....	.....	.....	.....	NW&SW	4	6	2.66	.....	.....																	
Tipton.....	Canton.....	600	88	36	62	52	77	50	29.68	29.23	29.49	0.45	29.66	29.28	SW	3	6	2.46	4	.....																		
Sangamon.....	Springfield.....	640	86	41	65	45	79	52	30.34	29.72	30.06	0.62	30.27	29.80	S	4	11	3.15	.....	61.9																		
Brown.....	Mt. Sterling.....	525	90	44	66	46	81	54	.....	.....	.....	.....	.....	.....	SE	4	5	1.9	.....	.....																	
																					SOUTHERN DIVISION.																		
Clay.....	Louisville.....	500	96	40	66	56	83	56	.....	.....	.....	.....	.....	.....	SW	4	6	7.7	.....	.....																	
Marion.....	Centralia.....	.....	91	38	63	53	78	50	.....	.....	.....	.....	.....	.....	NE&SW	4	3	1.1	.....	.....																	
Jasper.....	St. Marie.....	.....	90	41	65	49	78	52	.....	.....	.....	.....	.....	.....	W	4	8	3.01	8	.....																		
Madison.....	Upper Alton.....	725	91	48	68	43	81	55	30.33	29.91	30.17	0.42	30.32	29.92	SNW&N	4	4	1.47	20	.....																		
Pope.....	Golconda.....	.....	87	46	67	41	80	55	.....	.....	.....	.....	.....	.....	E & NE	2	8	4.53	7	.....																		

REMARKS FOR SEPTEMBER.

DURAND.—C. A. Starr, observer. Thunderstorms on the 19th and 31st; frosts on the 9th, 14th and 30th; on the 19th 3.45 inches rain fell between 10 a. m. and 5 p. m.

BELVIDERE.—G. B. Moss, observer. Thunderstorms September 1, 2, 3, 15, 17, 18 and 26; frosts on the 14th and 30th; aurora on the 27th; mean temperature of 11 Septembers 61° to 83° , 1878 being the warmest, 66° to 59° , and 1863 the coolest 55° to 78° or about 11° range of mean temperature. Maximum temperature in 14 years, 94° in 1874; minimum temperature in same period, 29° in 1871. Mean precipitation of 13 years, 3.37 inches. Only September, 1863, was wetter (7.16 inches) than the present month.

MARENGO.—John W. James, observer. Thunderstorms Sept. 1, 2, 3 and 13; frost on the 14th and 30th. Aurora on the 27th; solar halo on the 30th; lunar halo on the 17th. The mean temperature of September has been 2° lower than usual, and 12° 4 lower than the mean of August. A greater difference between these than I have ever recorded. In 19 years 5 Septembers have been colder. The rainfall has been 0.03 inch more than usual. A tornado passed 3 or 4 miles south of this place on the 3d; no buildings destroyed, but considerable damage done to trees and fences; width of path, 60 to 200 feet. During the passage of the tornado, 0.75 inches rain fell in 8 minutes. First frost on the 14th; period without frost May 1 to September 13—136 days.

ELGIN.—E. L. Geddings, observer. Frosts September 9, 13, 22 and 30.

CHICAGO.—James Mitchell, U. S. A., observer. Mean temperature of six Septembers, 63° to 3° , 1877 being the warmest, 66° to 6° , and 1875 the coolest, 61° . Mean precipitation for the same months, 2.595 inches, 1875 the wettest, 4.39 inches, and 1879 the driest, 1.18 inches. Prevailing direction of wind: from the S on 5 days, E 1, NE 6, SE 3, SW 7, W 4, NW 4 days. Greatest velocity of wind, 23 miles per hour from the south on the 15th, same velocity on the 28th from the SW. Total movement of wind for the month, 6,046 miles.

MORRISON.—S. A. Maxwell, observer. Thunderstorms on September 1, 3, 15, 18 and 26. Frosts on September 9, 14, 27, 28 and 30. Aurora on the 27th. The average temperature of the month 5° lower than September, 1880. First frost during the past six years have occurred on the following dates: 1875, September 22; 1876, September 27; 1877, September 18; 1878, September 12, and 1879, September 9.

ELMIRA.—O. A. Blanchard, observer. Thunderstorms on the 18th and 19th; frosts on the 9th, 10th, 11th and 30th.

AUGUSTA.—S. B. Mead, Observer. Thunderstorms on the 18th, 19th and 25th; frost on the 9th, 14th and 30th.

CANTON.—N. S. Wright, observer. Light frost on the 8th, 9th and 10th; ice formed on the 14th, and heavy frost on the 30th; lunar halo at 9 p. m. on the 12th.

SPRINGFIELD.—T. B. Jennings, U. S. A., observer. Thunderstorms on the 3d and 19th; frosts September 9, 10, 14 and 30; solar halo on the 5th. Mean temperature of this month 8° to 7° higher, and the precipitation 2.31 inches greater than same month in 1879. Prevailing direction of the wind: from the N 2 days, NE 4, SE 3, S 11, W 2, and NW 8 days; greatest velocity, 24 miles per hour from the west; total movement for the month, 5,999 miles.

MT. STERLING.—W. W. Bowser, observer. Thunderstorms on the 19th and 25th; frost on the 9th, 14th and 28th.

CENTRALIA.—J. L. Hallam, observer. No thunderstorms during the month; frosts September 9, 10, 14, 29 and 30. This month has been remarkably dry, and all kinds of vegetation has suffered in an unusual degree. Dews have been very light and often entirely absent.

ST. MARIE.—James Picquet, observer. Thunderstorm on the 3d; light frost on the 15th and 29th, neither doing any injury.

UPPER ALTON.—W. Leverett, observer. Thunderstorms on the 3d, 7th and 19th; frost on the 9th, 10th and 30th.

GOLCONDA.—J. E. Y. Hanna, observer. Thunderstorm on the 5th; light frost on the 14th, 15th and 30th; gale from the northwest at 4 p. m. on the 19th, followed by rain.

SUMMARY of Meteorological Observations for the month of October, 1880, made to the Illinois Department of Agriculture, Springfield, November 1, 1880. Hours for taking Observations: 7 a. m., 2 p. m., 9 p. m.

STATIONS.	Elevation above sea level.	THERMOMETER.						BAROMETER.						WIND.		RAIN AND SNOW.		No. of days on which cloudiness averaged 0.8 or more.....		Relative humidity.....	
		Highest.....	Lowest.....	Mean.....	Range of.....	Highest daily mean.....	Lowest daily mean.....	Deg.	Deg.	Deg.	Deg.	Inch.	Inch.	Inch.	Inch.	Derec.	M's	No.	Inch.	No.	Deg.
NORTHERN DIVISION.																					
<i>County. Post Office.</i>																					
Winnebago.....	798	78	25	46.5	53	66	30	30.47	29.40	30.09	1.07	30.42	29.40	S	7	6	0.76	7	.....	.....
McHenry.....	777	77	25	46	52	65	29	30	29	30	1.07	30.42	29.40	SW & S	8	6	2.37	0	.....	.....
Kane.....	777	76	27	47	49	63	31	30.47	29.40	30.09	1.07	30.42	29.40	SW-NW	4	6	2.09	.....	.....	.....
Cook.....	657	78	28	51.3	50	69	37.7	30.43	29.38	30.03	1.05	30.38	29.49	SW	5	10	3.09	.....	64.9	.....
Henry.....	650	78	20	46	58	66	31	.....	.....	.....	.....	.....	.....	SW-NW	..	2	0.8	.....	.....	.....
CENTRAL DIVISION.																					
Stark.....	.....	78	17	45	61	66	31	30.06	29.11	29.71	0.95	30.02	29.26	S	6	3	1.73	5	.....	.....
Peoria.....	460	82.5	25	51.6	57.5	73	35	.....	.....	.....	.....	.....	.....	SW-NE	5	3	1.75	5	71.5	.....
Hancock.....	681	78	23	50	55	70	35	.....	.....	.....	.....	.....	.....	SW	5	3	1.38	19	.....	.....
Fulton.....	600	82	22	49	60	69	33	29.78	28.96	29.47	0.82	29.76	29.06	SW	5	3	1.76	5	.....	.....
Sangamon.....	640	79	26	53.6	53	69.6	37.6	30.49	29.46	30.08	1.03	30.43	29.59	S	5	9	2.04	.....	58.7	.....
Brown.....	525	82	24	53	58	70.5	37.5	.....	.....	.....	.....	.....	.....	SE&SW	7	7	1.07	8	.....	.....
SOUTHERN DIVISION.																					
Clay.....	500	80	30	62	50	70	33	.....	.....	.....	.....	.....	.....	SW	5	5	3.2	15	.....	.....
Marion.....	84	84	29	49	55	74	36	.....	.....	.....	.....	.....	.....	SW-NE	5	4	2.7	8	.....	.....
Jasper.....	79	83	26	53	53	72	38	.....	.....	.....	.....	.....	.....	SE	6	7	2.85	.....	.....	.....
Madison.....	725	80	30	54.6	50	71	38	30.51	29.76	30.20	0.75	30.50	29.86	SW-NW	6	6	2.00	20	.....	.....
White.....	82	82	32	48	50	72	32	.....	.....	.....	.....	.....	.....	SSE	.....	4	4.00	8	.....	.....
Pope.....	80	80	34	57	46	70	39	.....	.....	.....	.....	.....	.....	nw nee	5	11	6.71	8	.....	.....

REMARKS FOR OCTOBER.

DURAND.—C. A. Starr, observer. On the 16th, the wind blew a gale from early morning until late at night.

MARENGO.—John W. James, observer. Thunderstorms on the 1st and 2d; frost Oct. 4, 12, 13, 17, 24, 27, 29 and 31; solar halo on the 9th. Mean temperature of October 0° 8 lower than usual; mean temperature 1st to 15th, 55° ; mean of 16th to 31st, 38° . Rainfall for the month, 0.10 inches more than usual. The gale of wind on the 16th the heaviest I ever saw; much damage done to trees, fences, stocks, etc., and a very general destruction to the common kind of farm wind-mills.

ELGIN.—E. L. Giddings, observer. Frosts October 3, 6, 12, 17, 18, 21, 22, 28 and 30.

CHICAGO.—J. Mitchell, U. S. A., observer. Highest temperature on the 10th, and lowest on the 18th. Mean temperature of 8 Octobers, 52° 375; October, 1870, was the warmest, 60° 5, and 1875 the coldest, 48° ; mean precipitation of 8 Octobers, 3.5 inches. 1877 being the wettest, 6.51 inches, and 1876 the driest. Prevailing winds from the N 3 day, NE 3, E 1, SE 3, S 6, SW 9, W 4, and NW 2 days; greatest velocity, 30 miles, and total movement for the month, 6,902 miles.

ELMIRA.—O. A. Blanchard, observer. Highest temperature at 2 p. m. on the 2d, and the lowest at 7 a. m. on the 24th. Solar halo at 4 p. m. on the 18th, and lunar halo at 7:25 p. m. same day. Parhelia near sunset on the 2d; snow flurries 7 to 9:30 a. m. on the 23d.

PEORIA.—Fred. Brendel, observer. Thunderstorm on the 2d; frosts 18, 23, 24 and 31; lunar halo on the 13th.

AUGUSTA.—S. B. Mead, observer. Thunderstorm on the 2d; frosts October 4, 6, 7, 13, 19, 21, 22, 23, 28, 29 and 31; first hard freeze on the 18th; first snow on the 19th, wind SE.

CANTON.—N. S. Wright, observer. Thunderstorm on the 2d; frosts October 4, 18, 24, 28 and 31; diffuse lightning N on the 15th; strong wind from SW began at 10 p. m., increased to high wind on Saturday and continued until late Sunday night, damages principally to fences and trees blown down.

SPRINGFIELD.—T. B. Jennings, U. S. A., observer. Thunderstorms on the 25th and 26th; frosts October 4, 7, 13, 20, 23, 24, 28 and 31; solar halo on the 2d, 9th and 15th; lunar halo on the 13th. Greatest daily range of temperature, 30° , on the 13th and 20th, and least daily range 9° , on the 17th. Mean temperature of the month, 8° 3 lower than October, 1879, and the precipitation 0.79 inches more than that month. Prevailing wind: from the N 5 days, NE 2, E 1, SE 2, S 8, SW 4, W 6, and NW 3 days. Highest velocity of wind 33 miles, and the total movement for the month 6,587 miles.

MT. STERLING.—Wm. W. Bower, observer. Thunderstorms on the 15th and 25th; frosts on the 4th and 7th; first snow on the 16th, and morning of the 17th, and ice 0.3 inches thick on the morning of the 18th. Wild geese flying SW 5 p. m. on the 18th.

CENTRALIA.—J. L. Hallow, observer. Thunderstorm on the 15th; frosts October 16, 17, 18, 19, 22, 23, 24, 30 and 31.

ST. MARIA.—James Picquet, observer. Thunderstorm on the 15th; frost on 7, 17, 18, 22, 23 and 24. High wind on the 15th, continuing three days and nights. First ice formed on the 17th, and first snow on the 19th.

UPPER ALTON.—W. Leverett, observer. Thunderstorms October 3, 14, 15, 20, 21 and 25; ice on the 18th, 23d, 24th and 31st. On the 16th gale from the west all day and high wind on the 17th.

GRAYVILLE.—J. L. Rhinehart, observer. Thunderstorms on the 15th and 16th; frost on the 17th. Month dry to 15th. Heavy wind on the 15th and 16th.

GOLCONDA.—J. E. Y. Hanna, observer. Thunderstorms on the 3d, 14th and 15th; frosts on the 23d and 24th. Gale from the north at 4 p. m., and from the northwest at 11 p. m. on the 15th.

REMARKS FOR NOVEMBER.

BELVIDERE.—G. B. Moss, observer. Highest temperature on the 3d, 62°, and lowest on the 22d, -10°; mean of 13 Novembers, 31° 81. 1880 being the coldest, 24° 51, and 1870 the warmest, 36° 62; mean of autumn, 43° 32; of 13 autumns 47° 25, 1879 being the warmest, 51° 59, and 1880 the coldest, 43° 32. Precipitation of November, 1.83 inches; average of 13 Novembers, 2.39 inches; 1875 the driest, 0.64 inches, and 1879 the wettest, 5.89 inches. Precipitation of autumn, 10.94 inches, average of 13 autumns 8.45 inches. 1872 being the driest, 3.96 inches, and 1868 the wettest, 11.17 inches. Mean temperature of first half of November, 1880, 37° 14; of the last half, 8° 62, a difference of 28° 52; the mean of November 21, -3° 92, about 3° colder than any former November day in 13 years.

MARINGO.—John W. James, observer. Frosts every day, except on November 3, 4, 5, 7, and 8; solar halos on the 17th and 24th; lunar halos on the 6th, 17th and 19th; polar bands on the 9th and 17th; parhelia 4:15 p. m., on the 8th, and 7:30 a. m., on the 13th. Mean temperature of November, 9° 3 lower than usual, and 2° 2 lower than the coldest November I have recorded here: mean temperature of 1st, to 15th, 36°, and of 16th to 30th, 12°, a difference of 24°; the low mean temperature of 16th to 30th unparalleled in my experience for November. The amount of rainfall and melted snow 0.94 inches less than usual, only 4 Novembers in 19 years were drier; mean temperature of autumn of 1880, was 43°, or 4° lower than usual. The autumn of 1869 had the same mean temperature, but none were colder. The total precipitation of autumn 0.29 inches less than usual.

ELGIN.—E. L. Gidding's, observer. Lunar halos on the 14th and 16th. November has been a cold, dry month, very little snow. Mean temperature for the month, 11° lower than 1878, and 10° lower than 1879.

CHICAGO.—James Mitchell, U. S. A., observer. Frost every day, except November 1, 2, 3, 4, 5, 6, 8, 9, 10 and 11. Highest temperature 65°, on the 3d, and lowest 1°, on the 21st. Average mean of 8 Novembers, 38° 53, 1878 being the warmest, 43° 36. and 1880 the coldest, 31° 6, or 6° 93 colder than usual, and 11° 76 colder than November, 1878. Mean precipitation of 8 Novembers, 2.64 inches, 1875 being the driest, 0.74, inches, and 1877 the wettest, 6.08 inches. Direction of the wind: N one day; S seven; SW eight; W eleven; NW three days. Total movement for the month, 6.614 miles.

MORRISON.—S. A. Maxwell, observer. Solar halos on the 3d and 19th; lunar halo on the 19th; grand meteor at 4:40 p. m., on the 18th.

ELMIRA.—O. A. Blanchard, observer. Solar halo on the 3d, at 9:10 a. m. Highest temperature 63° at 2 p. m., on the 2d, and the lowest, -8° at 7 a. m., on the 22d; mean temperature at 7 a. m., 4° 30 lower than at 9 p. m.

PEORIA.—Fred Brendle, observer. Frost on the 7th and every day from 11th to 30th.

SPRINGFIELD.—T. B. Jennings, U. S. A. observer. Frost November 2, 12, 13, 14, 15, 19, 22, 27, 29; solar halos on the 2d, 13th and 27th; lunar halo on the 8th. Mean temperature of November 1880, 12° lower than November, 1879. Precipitation 3.52 inches less than November 1879. Maximum velocity of wind and direction, 29 miles per hour from SW. Total movement of the wind for the month, 6.493 miles.

DECATUR.—J. Stebbins King, observer. Frost every day except on the 4th and 5th. Ice merchants cutting ice 5 inches thick, on the 22d. Snow fell on 9 days.

LOUISVILLE.—D. H. Chase, observer. Last half of month unusually cold, with 3 days snow; snow 4 inches deep at close of the month.

UPPER ALTON.—W. Leverett, observer. Ice in Mississippi, at Alton, 7 inches thick, on November 30.

ST. MARIE.—James Picquett, observer. Copeous fall of snow on the 16th and 17th. Polar wave on the 18th, and thermometer indicated -11° on the 22d. Heavy snow on the 24th, and was 9½ inches deep at close of the month.

GRAYVILLE.—J. L. Rhinehart, observer. Ten inches snow fell during the month.

GOLCONDA.—J. E. Y. Hanna, observer. Thunderstorm on the 4th. Frost November 1, 7, 14, and from 15 to 27. Nine and one-half inches snow fell on and after the 13th, and was 2 inches deep at close of the month.

STATIONS.	THERMOMETER.						BAROMETER.						WIND.		RAIN AND SNOW.	Relative humidity		No. of days on which cloudiness averaged 0.8 or more.....	Deg.
	Highest.....	Lowest.....	Mean.....	Range of.....	Highest daily mean.....	Lowest daily mean.....	Highest.....	Lowest.....	Mean.....	Range of.....	Highest daily mean.....	Lowest daily mean.....	Prevailing.....	Maximum velocity or force —miles per hour.....		Days on which rain or snow fell	Total rainfall.....		
NORTHERN DIVISION.																			
County: Post Office.																			
Winnebago.....	40	-20	17	60	37	-16	.....	.....	.....	.....	.....	.....	.....	.....	10	0.9	15	.....	.....
Boone.....	40	-20	16	60	36	-16	.....	.....	.....	.....	.....	.....	.....	.....	5	1.76	15	.....	.....
McHenry.....	925	-22	16	62	36	-16	.....	.....	.....	.....	.....	.....	.....	.....	5	0.75	18	.....	.....
Kane.....	777	-18	17	55	35	-11	.....	.....	.....	.....	.....	.....	.....	.....	6	0.75	18	.....	.....
Cook.....	687	-15	23	65	41.7	-6.7	30.60	29.35	30.11	1.25	30.55	29.65	.....	.....	9	0.55	17	.....	.....
Whiteside.....	670	-17	18	62	41	-13	30.73	29.31	30.10	1.42	30.64	29.51	.....	.....	20	1.01	.....	71.9	.....
Henry.....	650	-17	19	61	42	-12	.....	.....	.....	.....	.....	.....	.....	.....	5	0.25	12	.....	.....
CENTRAL DIVISION.																			
Stark.....	44	-23	16	67	40	-16.5	.....	.....	.....	.....	.....	.....	.....	.....	9	0.43	.....	.....	.....
Peoria.....	500	-16.5	22	66.5	46	-9.5	30.36	28.99	29.77	1.37	30.27	29.19	.....	.....	7	0.96	12	83.	.....
Fulton.....	600	-19	20	68	42	-9.5	29.94	28.81	29.48	1.13	30.89	29.00	.....	.....	5	0.78	12	.....	.....
Sangamon.....	640	-14	26	71	48.5	-6	30.79	29.28	30.17	1.51	30.73	29.48	.....	.....	10	1.10	.....	69.1	.....
SOUTHERN DIVISION.																			
Marion.....	65	-15	23	80	55	-8	.....	.....	.....	.....	.....	.....	.....	.....	6	1.8	23	.....	.....
Clay.....	500	-16	35	74	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	2.5	.....	.....	.....
Madison.....	725	-14	27	68	46.3	-8.6	30.66	29.64	30.21	1.02	30.64	29.77	.....	.....	10	2.94	27	.....	.....
White.....	60	-6	66	52	52	-3.3	.....	.....	.....	.....	.....	.....	.....	.....	8	2.	12	.....	.....
Pope.....	66	-9	29.9	75	57	-5	.....	.....	.....	.....	.....	.....	.....	.....	8	1.67	17	.....	.....

REMARKS FOR DECEMBER.

DURAND.—C. A. Starr, observer. Mirage on the 30th.

BELVIDERE.—G. B. Moss, observer. Exceedingly brilliant and colored solar halo on the 31st. Mean temperature 14 Decembers 21° to 71° , 1876 being the coldest, 11° to 27° , and 1877 the warmest, 39° to 22° . Mean precipitation of 13 years, 1.88 inches, 1874 being the driest, 0.44 inch, and 1873 the wettest, 4.03 inches. Average coldest day in 14 Decembers, -17° to 16° , December 21, 1872, being 1° to 16° colder than December 28th, 1880. Mean temperature of the year 1880, 47° to 53° ; mean of 13 years, 46° to 25° , 1878 being the warmest, 49° to 15° , and 1875 the coldest, 42° to 02° ; maximum temperature of 1880 (not excelled in 13 years) 100° on August 18, and minimum -20° on December 29th, a range of 120° ; lowest point in 13 years -33° , 7 a. m. February 10, 1868; on February 7 and 9, 1875, -31° . Mean of hottest day, 1880, 85° to 20° on August 18; of coldest, -16° to December 28. Precipitation of year 1880, 43.59 inches; average of 12 years 34.93 inch, 1872 being the driest, 24.68 inches, and 1876 the wettest, 44.94 inches. Direction of the wind during the year 1880 (the figures denoting the number of times in each direction) N 87; NE 101; E 78; SE 100; S 181; SW 245; W 80; NW 177; calm 49; total 1,098—three observations each day. Precipitation was 0.01 inches or more on 78 days; number wholly clear days, 12; wholly cloudy days, 38; 11 occurring in December.

MARENGO.—John W. James, observer. Frost every day during the month. Solar halos on the 28th and 29th; lunar halos on the 11th and 13th; mean temperature of December, 1880, 6° to 2° below the usual mean, and its precipitation 1.20 inches less. In 18 years last past, only December, 1872, and 1876 were colder, and only December, 1865, 1874 and 1876 were drier. From the 19th to the 26th, cloudy and misty weather, the longest spell ever noted at this time of the year. The mean temperature of the year 1880, was 46° to 7° or 1° higher than usual, and its total precipitation 33.29 inches, was 0.07 inch more than usual. The year 1863 had the same mean temperature, but only 1870, 1877 and 1878 were warmer. Highest temperature during the year, 96° on August 18, and the lowest -22° , on December 29, a range of 118° . Rain on 98 days; snow on 16 days; wind (No. of times) N 93; NE 107; E 75; SE 79; S 166; SW 219; W 187; NW 184—calm 38.

CHICAGO.—James Mitchell, U. S. A., observer. Frost every day except December 4, 12 and 14. Highest temperature, 50° on the 5th, and lowest, -15° on the 29th, a range of 65° for the month. Greatest daily range, 38° on the 27th; average mean temperature of 8 Decembers, 30° to 4° , 1876 being the coldest, 19° to 9° , and 1877 the warmest, 43° to 1° . Average precipitation of 8 Decembers 2.12 inches, 1876 was the driest, 0.48 inches, and 1873 the wettest, 4.44 inches. Wind from the N 4 days; NE 2; E 1; SE 1; S 3; SW 4; W 13 and NW 3 days. Highest velocity 32 miles per hour from the west, on the 5th; total movement for the month, 6,319 miles.

MORRISON.—S. A. Maxwell, observer. Thunderstorm on the 4th. Brilliant solar halo (double) on the 29th. Average temperature of 6 Decembers, 25° to 37° , 1877 was the highest, 40° to 50° , and 1876 the lowest, 14° to 45° . Lowest temperature in 6 Decembers, -20° in 1876.

ELMIRA.—O. A. Blanchard, observer. Mean temperature at 9 p. m., 0° to 54° warmer than at 7 a. m. Parhelia 3:15 p. m., on the 6th, 4:25 p. m. on the 27th, 8:25 a. m. on the 29th, and at sunrise on the 30th.

PEORIA.—Fred. Brendel, observer. Frost every day except on the 4th and 12th. Lunar halo on the 11th.

CANTON.—N. S. Wright, observer. Solar halo on the 29th and 30th. On the morning of the 29th, bright circle around the sun, with sun dogs on each side, above and below it. Mean temperature of December, 1876, 16° to 33° , being the coldest by my record, since 1856, and the coldest January was in 1856, 9° to 33° .

SPRINGFIELD.—T. B. Jennings, U. S. A. observer. Solar halos on the 7th, 13, 29th, 30th and 31st. Mean temperature of the month, 5° to 5° below December, 1879, and the precipitation 1.78 inches less. There were 9 clear and 8 fair days. The highest velocity of wind 36 miles, and the total movement 7,020 miles.

CENTRALIA.—J. L. Hallam, observer. Thunderstorm on the 4th; frost every day except December 1, 2, 4, 12, 13 and 15. Mock suns on the 10th, also on the 29th, which was the coldest day here since January 1, 1864. Great scarcity of water in wells.

UPPER ALTON.—W. Leverett, observer. Thundershower on the 4th and 16th. Solar halo and two very bright false suns on the 29th; lunar halo on the 14th. Heavy wind on the 4th, velocity 40 miles per hour. Six inches of snow fell on the 20th; snow 4 inches deep at close of the month.

GOLCONDA.—J. E. Y. Hanna, observer. Thundershowers on the 4th and 17th. Earthquake of 15 seconds duration at 11:20 p. m. on the 17th. Snow $3\frac{1}{4}$ inches deep at close of the month.

SUMMARY

Of Meteorological Observations for the year 1880, made to the Illinois Department of Agriculture, Springfield. Hours for taking Observations, 7 A. M., 2 P. M. and 9 P. M.

STATIONS.	THERMOMETER.					BAROMETER.					WIND.		RAIN & SNOW.	No. of days on which cloudiness averaged 0.8 or more.	Relative humidity.		
	Highest.	Lowest.	Mean.	Range of.	Highest daily mean.	Lowest daily mean.	Highest.	Lowest.	Mean.	Range of.	Highest daily mean.	Lowest daily mean.	Prevailing.			Maximum velocity or force—miles per hour.	Total rainfall.
														Deg.	Deg.		
NORTHERN DIV.																	
Jan...7 Stations	56	13	35	43	49	21	30.12	28.95	29.59	1.17	30.06	29.10	S-SE	4	93.36	10	74.4
Feb...7	60	1	30	59	49	13	30.35	28.96	29.60	1.39	30.30	29.66	NWSW	5	72.05	5	62.3
Mar...6	59	8	33	50	48	16	29.70	28.22	29.23	1.48	29.63	28.39	S-SW	5	72.44	8	62.9
Apr...5	80	24	5	55	55	33	29.97	28.88	29.51	1.09	29.93	29.14	SW	6	124.29	6	69.9
May...5	88	39	65	49	77	52	30.01	29.06	29.54	0.95	29.95	29.21	SW	5	84.45	6	67.7
June...6	90	51	70	39	82	58	30.31	29.28	29.97	1.03	30.27	29.52	SW	5	125.32	5	72.2
July...5	94	52	72	42	84	59	30.20	29.78	29.99	0.42	30.14	29.85	S-SW	4	124.13	5	66.9
Aug...7	96	51	72	45	83	61	30.28	29.74	30.06	0.54	30.24	29.77	NE-SW	4	75.02	7	70.6
Sept...6	86	35	60	51	75	46	30.17	29.67	30.04	0.50	30.27	29.85	SW	4	85.14	5	66.9
Oct...5	77	25	47	52	66	32	30.45	29.39	30.06	1.06	30.40	29.44	SW	6	61.82	7	64.9
Nov...7	61	-5	26	6	53	3	30.68	29.46	30.17	1.22	30.64	29.59	SW	6	71.29	9	65.7
Dec...7	42	-18	18	60	38	-13	30.66	29.33	30.10	1.33	30.59	29.58	NW-SW	5	80.82	14	71.9
Average.....	74	23	48	51	64	32	30.24	29.23	29.74	1.01	30.20	29.43	W-NW	5	83.34	7	76.8
Average 1879.	75	18	46	57	67	26	29.75	28.94	29.56	0.81	29.71	29.02	SW	4	72.67	7	65.4
CENTRAL DIV.																	
Jan....6 Stations	63	19	41	44	54	26	30.39	29.33	29.88	1.06	30.29	29.45	S-SW	5	102.82	15	75.4
Feb...5	65	8	35	57	55	19	30.59	29.28	29.87	1.31	30.53	29.38	WNWSW	5	82.82	9	63.9
Mar...5	68	16	39	52	55	24	30.29	28.83	29.91	1.46	30.21	29.02	NW-SE	6	102.5	10	63.9
Apr...5	83	30	52	53	72	38	30.26	29.17	29.76	1.09	30.23	29.31	NWSW	5	104.29	10	57.6
May...5	89	46	69	43	79	60	30.19	29.33	29.79	0.86	30.14	29.49	S-SE-SW	5	105.94	8	62.5
June...5	92	55	73	37	83	62	30.09	29.23	29.77	0.86	30.07	29.35	S-SW-SE	5	102.64	12	66.1
July...5	96	57	75	39	87	66	29.96	29.59	29.80	0.37	29.95	29.69	SW	4	71.9	4	64.8
Aug...6	99	55	77	44	88	63	29.90	29.40	29.66	0.50	29.85	29.46	S-SW	4	73.92	8	63.3
Sept...6	87	39	63	48	78	50	29.99	29.45	29.75	0.54	29.93	29.56	S-SW	4	72.5	4	66.9
Oct...6	80	23	50	57	70	5	30.11	29.17	29.7	0.94	30.07	29.30	S-SW	5	51.62	9	65.1
Nov...5	65	-2	29	67	53	5	30.46	29.22	29.94	1.24	30.40	29.30	WNWSW	4	101.94	10	70.5
Dec...4	59	-18	21	68	44	-10	30.36	29.02	29.81	1.34	30.20	29.22	NW	5	80.82	12	76.
Average.....	78	27	52	51	68	36	30.22	29.22	29.80	1.00	40.16	29.38	SW	5	82.81	9	66.5
Average 1879.	78	23	51	53	69	31	30.12	29.35	29.70	0.77	30.08	29.42	SW	4	82.16	10	65.9
SOUTHERN DIV.																	
Jan....6 Stations	69	23	48	46	61	30	30.54	29.33	30.17	1.21	30.52	29.57	S-SW	5	83.8	14	.....
Feb...6	67	10	41	57	62	21	30.60	29.73	30.16	0.87	30.58	29.73	NWSW	5	73.31	12	.....
Mar...6	71	21	43	50	63	28	30.42	29.37	30.16	1.05	30.41	29.50	NNESE	6	83.88	16	.....
Apr...6	85	30	57	55	78	39	30.39	29.67	30.07	0.72	30.39	29.76	NWSW	6	73.22	11	.....
May...6	89	47	70	42	81	58	30.39	29.73	30.09	0.63	30.30	29.81	NWSW	5	85.21	10	.....
June...6	91	53	73	36	82	64	30.27	29.76	30.08	0.51	30.24	29.80	SE-SW	5	93.63	11	.....
July...6	96	59	77	37	86	69	30.21	29.83	30.10	0.36	30.21	29.91	S-SW	4	74.55	9	.....
Aug...4	99	57	76	42	88	63	30.27	29.97	30.13	0.30	30.26	29.97	SW	4	52.28	8	.....
Sept...5	91	43	66	48	90	53	30.33	29.91	30.17	0.42	30.32	29.92	SW-NE	4	63.56	12	.....
Oct...6	81	30	54	51	71	36	30.51	29.76	30.20	0.75	30.50	29.86	SW-NE	5	63.57	12	.....
Nov...6	67	-4	33	71	56	8	30.63	29.67	30.25	0.96	30.61	29.71	NW	5	83.55	15	.....
Dec...5	60	-12	29	72	53	-6	30.66	29.64	30.21	1.02	30.64	29.77	NW	4	72.38	19	.....
Average.....	81	30	56	51	72	38	30.43	29.69	30.15	0.74	30.41	29.78	SW	5	73.56	12	.....
Average 1879.	82	29	55	53	71	36	30.62	29.74	30.19	0.88	30.44	29.81	SW	5	73.45	11	68.2
State Av. 1880	78	27	52	51	68	35	30.29	29.38	29.90	0.91	30.26	29.53	SW	5	83.24	9	71.6

CORRESPONDENTS' REMARKS.

ADAMS.—There is an increase in the area of winter wheat, compared with the previous crop. The severe cold and dry weather has been unfavorable for this crop, and the condition is not up to an average. Corn is generally of good quality; the yield per acre is much less than last year. Horses have suffered from the epizootic, which, in many instances, has proved fatal; other farm animals are healthy and in good condition. The weather has been unusually cold, and there is complaint of drouth. There is gradual improvement in the methods of farming, and the large wheat crops of the country of late indicate the more thorough preparation of the seed bed for this crop. The improvement of farm animals is receiving general attention.

ALEXANDER.—The corn crop is of good quality, and the average yield per acre larger than in 1879; the decreased acreage as compared with the previous year makes the present crop less in aggregate. The area of winter wheat is larger than last year; the condition is below an average, and owing to the dry season the growth is limited, especially the late seeding. Winter rye is up to an average in condition, and the acreage is larger than in 1879. Farm animals are in good condition, and there is no complaint of disease. The dry summer and fall were followed with early winter of unusual severity and an abundance of snow. There is a decided spirit of improvement manifested by the farmers of this county, the timber land is being rapidly cleared, and ditching is going on to considerable extent. The cultivation of small fruits is receiving more attention. There is no fair held in this county, and consequently no improvement in live stock worthy of mention.

BOND.—Corn is of poor quality, and the yield per acre much below an average, except on bottom lands; the severe drouth during the summer cut the crop short, and there will not be half the number of bushels obtained as the previous year. The condition of winter wheat is much below an average; the early, steady and severe cold weather has kept the plants from making much growth, and the late freezing has been hard upon the exposed wheat plant. The epizootic has proved fatal in some cases, otherwise farm animals have been unusually healthy. Chinch bugs have increased in numbers of late years, and injured the corn in localities. The long, protracted severe cold weather in November has seldom, if ever, been equalled in the county.

BOONE.—The quality of corn is generally good, the yield per acre up to an average and rather better than in 1879, which with the increased acreage makes the present crop much larger than that of the previous year. The acreage of winter wheat is about the same as seeded in 1879, and the condition is nearly up to an average; the severe cold weather is very unfavorable for the crop where exposed. Not as much winter rye sowed as usual, and the condition of the crop does not promise an average return. There is less complaint than usual of diseases among farm animals. Flax was injured by an insect that destroys the plant when quite young. There has been but little rain since the first of August, and the dry, cold weather has not interfered with the remarkably good roads. Mixed farming is the rule, and more thorough tillage with a disposition to improve stock of all kinds is the order of the day. Drainage is beginning to attract considerable attention. Some successful experiments have been made in making sugar from sorghum.

BROWN.—The acreage of corn is less than in 1879, and the average yield per acre not so large, which, at the price obtained, will not return a profit or cover the cost of production of the present crop. The area of winter wheat is larger than last year, and the condition promises more than an average yield. Winter rye is up to an average in condition; the acreage is less than that seeded in 1879. In some localities hog cholera has been worse than for several years; other farm animals are generally healthy; the horses have suffered slightly with epizootic symptoms. The weather has been dry and very cold.

BUREAU.—The acreage of corn is larger than last year (1879), and the average yield per acre nearly up to that of the previous crop. The yield was considerably damaged by high water in spring and the drouth which prevailed during the growing season; the crop is mostly cribbed in good condition, and is of excellent quality. The acreage of winter wheat is about the same as last year; the condition is not up to an average. Winter rye is looking well, and the area is somewhat larger than last season. The supply of fat hogs and fat cattle is much less than for the corresponding date in 1879. Farm animals are generally healthy and in good condition; in some parts of the county there has been

much loss from hog cholera, and most of the hogs forced on market from localities where it has been prevalent.

CALHOUN.—The corn acreage is larger than last year, but the average yield per acre is less and the aggregate is much below that of 1879; the crop was saved in fine condition, and is of good quality. The acreage of winter wheat is less than that of last season, and the condition much below an average; the extreme cold, freezing weather in November injured the prospects; the ground was very dry when the winter set in. The area of winter rye is the same as last year, and the condition nearly up to an average. Farm animals are unusually healthy and in a thriving condition. Fat cattle and hogs have been marketed more freely than usual, and there is a limited supply on hand awaiting shipment. With the exception of the injury to corn by chinch bugs, there is no complaint of damage by insects.

CARROLL.—The acreage of corn is less than last season, but the average yield per acre is larger, making the aggregate yield about the same as in 1879; the quality is not as good. There is but little over half as much winter wheat sown this season as last, and the crop was in good condition when the winter set in. Winter rye is up to an average in condition, and the acreage exceeds that of the previous year. There has been much complaint of the horses being troubled with the epizootic, and cattle are at present affected with a similar malady. There is a limited supply of fat hogs. More fat cattle on hand than at same date last season.

CASS.—There is a larger acreage of winter wheat than last year, and the condition promises an average yield; the early seeding looks the best. Winter rye is looking well; the area is about the same as last year. Corn is of good quality and the yield per acre about the same as last year; the acreage is not as large as in 1879; crop generally cribbed in good condition. The supply of fat hogs for market is much less than last year at corresponding date; there is about the usual number of fat cattle on hand awaiting shipment. Farm animals are in good condition and generally healthy; in the early part of the season there was much complaint of loss among hogs, from cholera. Considerable attention has been paid to the matter of tile drainage, and the most successful farmers advocate and practice the growing of a diversity of crops with the raising of the improved breeds of live stock.

CHAMPAIGN.—The corn acreage is less than in 1879, the average yield per acre not as large, and the price per bushel the same at corresponding dates (Dec. 20, 1879-80). Corn was generally matured before severe frosts, is of excellent quality, and except in few localities the yield was up to an average. The acreage of winter wheat is much larger than last season, and the condition is better than usual at this season; wheat sown next to Hungarian and millet was injured with chinch bugs. Rye is above an average in condition, and the area is about the same as last year. Horses have generally suffered with the epizootic; very few fatal cases; other farm animals are healthy and in good condition. Roads are in good condition, and the season dry; thermometer ranging from 15 to 30. There is a lively interest manifested in tile

drainage, and the majority of farmers are draining more or less, according to means. The horses of the county are being improved by the use of imported Clyde and Norman stallions on the native mares; other farm animals are receiving attention and pure bred stock is in demand.

CHRISTIAN.—There is a large reduction in the acreage of corn, and the average yield per acre is less than last season; the yield was reduced, owing to the drouth which prevailed the past season; the crop was saved in fine condition, and is generally of good quality. The large seeding of winter wheat in 1879 was increased this fall and the crop is up to an average in condition; the stand is generally good, and the plant looks well on early seeded fields; the drouth was unfavorable to the late seeding. The area of winter rye is less than last season, and the condition below an average. With the exception of the epizootic among horses, farm animals are healthy and in good condition. The supply of fat hogs and cattle for shipment is less than at corresponding date last season. The season of 1880 has been very dry, while the severe cold weather during the fall and up to date is unusual. General interest is manifested in tile drainage, and more tile has been laid in 1880 than in previous years. More attention is paid to thorough cultivation of crops, and much improvement has been made in grading up farm animals.

CLARK.—There is a decrease in the acreage and average yield of corn compared with 1879; the quality is good, except late corn on low bottom lands. The area of winter wheat is larger than last season; the condition is much below an average, and the stand is not even—many bare places are to be seen. Winter rye is not up to an average in condition, and the acreage is less than last year. In some parts of the county there has been some loss from hog cholera, and the horses have generally been troubled with the epizootic; otherwise farm animals are healthy and in good condition for the season. Since the middle of November the weather has been very cold. There has been, of late, much more attention given to the thorough preparation of the soil for seeding and cultivation of crops, and the introduction of improved breeds of farm animals is increasing the value and quality of the live stock of the county; considerable attention has been given to tile drainage, with good results. Fat hogs have been marketed more freely than usual, and the number of fat cattle and sheep awaiting shipment is less than last year at corresponding date.

CLAY.—The acreage of corn is less than last season, and owing to chinch bugs and the drouth, the yield per acre is much below an average, entailing much loss in the production of the crop, a portion of which is light and chaffy, and of poor quality. The area of winter wheat is less than last season, and the condition much below an average, owing to the wet and cold weather, which was not favorable to the growth of the plant. Winter rye is looking badly, and the area is less than seeded in 1879. Horses have been troubled with the epizootic, and in some localities a few young shoats have died with cholera; generally, live stock is doing well. The weather since early in November has been colder than for many years. The supply of fat hogs and cattle is less than usual at this season; about the same number of fat sheep as heretofore at this date. Some of the lead-

ing farmers of the county are doing a good work in the way of improving farm animals. Surface drainage is receiving much attention and this will be followed by tile drainage.

CLINTON.—Corn is generally of poor quality; light and chaffy, owing to the dry season and the injury from chinch bugs; the acreage is less than last year and the small average yield per acre will not cover the cost of production. The acreage of winter wheat is less than last year, and the condition below average, owing to the dry weather; in some fields there are a great many fly eggs. Winter rye is looking well, and the area is the same as last season. Farm animals are unusually healthy, and no complaint except of the epizootic troubling horses in localities. Orchards have been injured by curculio and codling moths. The season has been unusually dry and very cold since early in November; have had more snow than usual. The limited corn crop has induced feeders to market stock more freely than usual, and there is a very limited supply awaiting shipment, of fat cattle, sheep and hogs. Better and more thorough cultivation is apparent everywhere, and increased interest and attention is given to the improved breeds of farm animals.

COLES.—The corn acreage is not as large as last year, and the average yield per acre is less; the corn is above an average in quality, and was saved in good condition. There is a large increase in the area of winter wheat, and the condition is nearly up to an average. Winter rye is looking well; the area is less than last year. There is very little hog cholera in the county, and farm animals are healthy and doing well. Winter set in unusually early and delayed the cribbing of corn. There is a limited supply of fat cattle, hogs and sheep awaiting shipment. There are five tile factories in the county, and the demand for tile is rapidly increasing. More attention is given to thorough cultivation of crops, and the use of labor-saving machinery is quite general. Farmers are interested in the improvement of all kinds of live stock.

COOK.—The area of corn exceeds that of the past year, and the average yield per acre is more than in 1879; corn is generally of good quality, and was saved in good condition. There is an increase in the area of winter wheat, which is in promising condition. Winter rye is above an average in condition, and the area is about the same as in 1879. Farm animals are in good condition for the season, and generally healthy. The supply of stock, feeding for market, is about the same as heretofore at this season. A large area, near Chicago, is devoted to market gardening, which is very profitable farming.

CRAWFORD.—The corn acreage is not as large as in 1879, but the average yield per acre is better; the quality is generally good, and the crop was saved in good condition. More winter wheat was sown this season than last, and the condition is nearly up to an average. Rye is looking well; not as much sown as last year. Farm animals, except hogs, are healthy and in good condition; in some localities there has been much complaint of loss of hogs by disease. The weather during the fall was quite cold, and there has been more snow than usual. The supply of fat cattle and sheep awaiting shipment is about the same as usual at this season; there are less fat hogs

on hand as compared with corresponding date last year. Considerable attention has been given to the matter of drainage, and the interest is increasing. The improvement of farm animals is receiving more consideration than heretofore.

CUMBERLAND.—The average yield per acre of corn is better than last year; the acreage is much less than in 1879; the quality is from medium to good; the crop was saved in good order. Winter wheat is in a promising condition, and the acreage exceeds that of the preceding crop. Winter rye promises to make an average crop; the acreage is about the same as seeded in 1879. Horses have been troubled with distemper and the epizootic diseases, and some cases have proved fatal; hog cholera has prevailed to some extent in localities. The winter opened early, and the cold weather has been severe. Fat stock has been shipped to market earlier than usual, and there is a limited supply on hand. Farmers are improving their farms by a system of surface drainage, and some tiling has been done; several have used bone dust at the rate of 200 pounds to the acre on wheat. Some have successfully grown clover for seed; but this crop has generally resulted in failure. There is more interest manifested of late in the improvement of farm animals.

DEKALB.—The corn area exceeds that of 1879; the average yield per acre is less and the aggregate yield below that of the previous year; corn is of good quality, and the yield better than anticipated, during the dry season. Winter wheat is above an average in condition; the acreage is less than last season. More winter rye sown than in 1879, and the condition promises an average crop. The murrain prevailed to some extent among young cattle in the vicinity of Waterman; horses have had the epizootic in a very mild form; have heard of no fatal cases; otherwise farm animals are healthy and in good condition. More fat cattle on hand and about the same number of fat hogs and sheep awaiting shipment as heretofore at same date. The weather during the fall and winter has been very cold, and the ground was very dry while freezing. Farm drainage is the order of the day, and low, flat lands are being rapidly brought into cultivation by drainage. Farmers are improving their live stock by introducing the better breeds. The great industry of the country is dairying, in which the majority of the farmers are more or less interested.

DEWITT.—The average yield per acre of corn is much less than last year, and the acreage not as large as in 1879; corn is of good quality, and generally saved in good condition. The acreage of winter wheat largely exceeds that of the preceding crop, and the condition promises more than an average yield. Winter rye is looking well, and the acreage is larger than that seeded in 1879. There has been considerable loss, resulting from hog cholera, in some sections. Horses have been troubled with epizootic, very few fatal cases; other farm animals are in good condition and healthy. The weather during fall and winter has been cold and cloudy. The number of fat cattle on hand is less than usual for this season; more fat hogs and sheep awaiting shipment than in previous years at corresponding date. Norman and Clyde horses are in great demand for breeding purposes, and heavy horses find ready sale at paying prices. The press drill is generally

used in seeding wheat. Nearly all the farmers are draining land with tile, and all report good results.

DOUGLAS.—The average yield per acre of corn is about the same as in 1879 with no change in the extent of the area planted; the corn is of good quality and cribbed in good condition; the drouth reduced the yield in some localities. More winter wheat was sowed than in 1879, and the condition is nearly up to an average. Winter rye is looking well; not as much sown as last year. Farm animals are generally healthy; some cases of epizootic among horses, but none fatal; live stock is doing well and very few complaints of loss among hogs by disease. The fall and winter has been unusually cold, and there has been a lack of rain during the season. There is a limited supply of fat cattle, sheep and hogs on hand compared with corresponding date last season. Considerable tile and open drainage is being done by farmers with good results. The improvement of cattle and sheep is receiving more attention of late years.

DUPAGE.—The average yield per acre of corn is better than last season, which, with the increased acreage, makes the aggregate crop much larger than in 1879; corn is of good quality and was saved in fine condition. Not as much winter wheat sown as last year; the crop is much above an average in condition. Winter rye is looking well, and the area is larger than in 1879. Farm animals are doing well; there was some complaint of epizootic among horses, in a mild form. There is a limited supply of fat cattle, hogs and sheep in first hands awaiting shipment. The season has been cold and dry. There is much interest manifested in drainage, and large quantities of tile are being used. Some are pleased with the results obtained by sowing clover with spring grain for fall pasture, and to be plowed in as a fertilizer for succeeding crops. The clover is not only a good fertilizer, but keeps the ground clean, and is an excellent agent in pulverizing the soil.

EDGAR.—The acreage and average yield per acre of corn is less than last season; corn was generally check-rowed, and some claim that this mode of planting is better than drilling; the snow has interfered with corn gathering, and a portion of the crop is still in the field. Winter wheat is above an average in condition, and the acreage is much larger than that seeded in 1879. Winter rye looks well, and the acreage is about the same as last season. There has been but little complaint of hog cholera, and the epizootic among horses has resulted fatally in but few cases. The supply of fat sheep awaiting shipment is larger than last season at corresponding date; the number of fat hogs and cattle is less than usual at this time. Stock water has been very scarce, and the rainfall quite limited during the past season. Tile drainage is quite general, and large tracts of wet, flat land are yearly added to the cultivated area of the State by this method. The number of breeders of fine stock in the county is increasing each year, and the exhibits at the county fair of improved breeds of farm animals are large and creditable.

EDWARDS.—The average yield per acre of corn is much less than last season, and the acreage not as large; the chinch bugs and dry weather injured the corn, some of which is very light and of poor quality.

The acreage of winter wheat is less than last year and the condition is much below an average. Winter rye is looking well; the area is less than that in 1879. There has been some loss from cholera among hogs. Horses have suffered from the epizootic, but there were very few fatal cases. Fat hogs and cattle have been marketed more freely than usual this season; the number of fat sheep awaiting shipment is about the same as last season at corresponding date. Considerable attention is paid to the improvement of roadster horses and some fine Goldust and Membrino stallions and mares have been recently introduced into the county, as well as Short Horn cattle and other kinds of stock.

EFFINGHAM.—The corn area is larger than last year, but the average yield per acre is less, and the aggregate crop is much below that of 1879; the corn is not of average good quality and much complaint is heard of light weight. More winter wheat was sown than last year, and the condition is nearly up to an average. Winter rye is looking well, and the acreage is about the same as seeded in 1879. In some localities there has been considerable loss of hogs by cholera. Horses have generally been troubled with epizootic, and there have been some fatal cases; other farm animals are healthy and in good condition. The weather has been very cold for the season, with considerable snow and very little sunshine. More fat cattle and less fat sheep and hogs awaiting shipment than usual at this season. The hot, dry season injured sorghum cane, and there was only about one-half a crop of fruit; apples rotted badly.

FAYETTE.—The corn acreage is less than last year, and the yield per acre one-half less than in 1879; much of the corn is loose on the cob, and owing to the drouth and chinch bugs the quality is inferior. More winter wheat was sown than in 1879, and the condition is nearly up to an average; the wheat plant has not made as vigorous growth as last fall. Winter rye is not up to an average in condition; the area is about the same as seeded in 1879. There is a limited supply of fat cattle, sheep and hogs on hand awaiting shipment. More complaint than usual in some localities of loss of hogs by cholera. Some distemper and epizootic among horses; other farm animals are healthy. The fall and winter has been very cold, and the mercury was 11 degrees below zero on the 22d of November.

FORD.—The corn area is about the same as last year; the average yield per acre is less, owing to excessive rains early in spring and the drouth which followed. Winter wheat is in good condition, and the acreage about the same as last season; not very much grown. Less winter rye sown than usual. The supply of fat hogs and cattle in first hands awaiting shipment is less than usual. Farm animals are healthy; the distemper which prevailed among horses for a time did no serious damage. The necessity of improving the stock of the county is generally conceded and some of the progressive farmers are making a move in this direction. Drainage and a more thorough system of farming is necessary, but the efforts in this direction are somewhat limited.

FRANKLIN.—The yield of corn per acre is less than last year, and the average is not as large; there is complaint of light weight and

the corn is loose on the cob. More winter wheat sown than last year; the condition is much below an average; the late seeding made but little growth. There is about the same number of fat sheep awaiting shipment as usual at this time; hogs and cattle ready for market are scarce. Distemper among horses and mules has been quite general, and in localities there has been some loss of hogs by cholera. The weather during the fall and winter has been cold and dry with considerable snow.

FULTON.—The yield per acre of corn is less than last year and the area is not as large; the quality is from medium to extra. Not as much winter wheat sown as last fall, and the condition is discouraging for more than two-thirds of an average yield per acre. Less rye sown than usual, and the condition promises but little over three-fourths of an average yield per acre. There is but a limited supply of fat stock on hand ready for shipment. A few localities complain of hog cholera; the distemper among horses was quite general, but not serious or attended with much loss. The season has been very dry, with great scarcity of water; there has been an unusual amount of cold weather. A large quantity of drain tile has been laid in this county, and the demand for tile is increasing. Few counties in the State give more attention to the improvement of horses, and good stock is the rule with the farmers of Fulton county.

GALLATIN.—The early planted corn is of good quality; late corn was badly frosted and is of inferior quality; the acreage is much less than in 1879. More winter wheat sown than last season; the crop is not up to an average; as a great portion was sown late, and has made but little growth, owing to the early cold weather. Less winter rye sown than in 1879; the condition is about the same as wheat. There has been considerable distemper among horses; very few fatal cases. Young hogs under one year old have suffered in some localities with cholera. Very few fat cattle and hogs awaiting shipment. Considerable attention is paid to the improvement of cattle, and several farmers have recently purchased Short Horn bulls to grade up the stock of the county.

GREENE.—The corn acreage is a fraction less than last year, and the crop is generally of good quality; the average yield per acre is fully as large as last season. Winter wheat is not up to an average in condition, and the growth is small, owing to the dry weather during the fall. Fat cattle, sheep and hogs have been closely marketed, and there is a limited supply in first hands, awaiting shipment. Farm animals, other than horses and hogs, are healthy and in good condition; epizootic has been quite prevalent among horses, and has resulted fatally in some cases. The pigs in localities have suffered from cholera, some farmers having lost all their shoats.

GRUNDY.—The corn acreage is much larger than last season; the yield per acre is less than in 1879, and the quality is medium. But little winter wheat raised in the county; the acreage is about the same as last year, and the condition promises an average crop. Less winter rye sown than in 1879; the condition is above an average. The supply of fat sheep is about the same as last season; the supply of fat hogs and cattle is less than

usual at this season. There has been very little complaint of loss of hogs by cholera; the epizootic trouble with horses has not been fatal. The weather has been unusually cold since the first of November. There has been considerable tile used this season with good results. There is an active demand for cows, and the dairy interests will be greatly augmented next season.

HAMILTON.—The corn acreage is less than last year, and the yield per acre is much below an average; the quality is generally good, ears rather small. The winter wheat acreage is about the same as last season; the condition is nearly up to an average; the plant has not made the usual growth, owing to the cold, dry weather since seeding. Fat hogs, cattle and sheep have been forwarded to market earlier than usual, and there is a very limited supply on hand awaiting shipment. Horses have had the epizootic in a mild form; in some localities many hogs have died with cholera—generally shoats. The weather has been extremely cold since the middle of November. Chinch bugs have made their appearance, and farmers are anticipating loss thereby. Early plowing of wheat land is recommended; the action of the sun and elements is believed by some to have a good effect on the soil.

HANCOCK.—The yield per acre of corn while above an average, is hardly as good as last season; the area of the crop is about the same as in 1879; the quality is good and the crop generally saved in good condition. The winter wheat acreage is hardly as large as last year, and the plant does not look as vigorous and promising as usual, owing to the dry weather. About the same area in rye as seeded in the fall of 1879; condition gives encouragement for nearly an average crop. The number of fat cattle and sheep on hand is about the same as at corresponding date in 1879; there is a limited supply of fat hogs. Excepting the epizootic in a mild form among horses, there is no complaint of disease among farm animals; in some localities the young hogs are suffering with cholera.

HARDIN.—The yield per acre of corn is less than last year; the increase in acreage over 1879 makes the aggregate yield larger than that of the previous year. The acreage of winter wheat is about the same as last year; the wheat was generally sown late, and the early freezing weather has damaged the plant somewhat. Winter rye looks well, and the area is about the same as seeded in 1879. The usual supply of fat sheep is still in first hands, and about as many fat cattle; the fat hogs have been marketed more freely than usual, and there is a limited supply being fed. All farm animals, except hogs, are healthy as usual; hog cholera is prevailing in some localities and causing much loss. The weather has been extremely cold, the thermometer the last week ranging from 3° to 14° below zero; there has been considerable snow the last two weeks. Farmers appear to be more alive to a proper rotation of crops, and the advantages of labor-saving machinery and the improved breeds of live stock. The staple crop of the county is potatoes, and 25 per cent. of the last crop was lost, owing to the snow and freezing weather, which prevented harvesting.

HENDERSON.—The yield per acre and the area of the corn crop is about the same as

last year; the quality is from medium to excellent. The small area of winter wheat is looking well; there was not as much sown as in 1879. Winter rye is above an average in condition, and the acreage is some larger than seeded last year. Less number of fat hogs and cattle in the county than usual at this season. Farm animals are generally healthy; the epizootic among horses was of mild form; in some localities there has been complaint of the loss of hogs by cholera. The season has been dry and cold, with very little snow.

HENRY.—The yield of corn per acre is a little less than last year, but the increase in acreage, makes the present crop nearly as large as in 1879; corn is of good quality, and cribbed in fine condition. Winter wheat is not largely grown in the county; the plant is well covered with snow at this time, and is in good condition. More winter rye was sown than last year, and the condition is promising; the dry weather has prevented the usual growth. About the usual supply of fat cattle and sheep awaiting shipment, and a limited number of fat hogs in feeders' hands. Some epizootic among horses, but only a few cases proving fatal; in some localities there has been considerable loss of hogs from cholera. The weather, since November, has been extremely cold; there is much complaint of drouth. The improved breeds of sheep are being introduced with satisfactory results, and more attention is being paid to the improvement of cattle than ever before. The Fat Stock Show is beginning to bear fruits in this county, by inducing more systematic feeding, and there is more inquiry for good grade cattle for feeding purposes. There is a great demand for tile, which is being quite extensively laid.

IROQUOIS.—The corn acreage is less than last season, and the average yield per acre below that of 1879; the wet weather early in the season, followed by the drouth, injured the quality and reduced the yield. More winter wheat sown than last fall, and the condition is favorable for an average crop. The condition of winter rye is nearly up to an average; the acreage is less than last year; growth of winter grain has been retarded by the drouth. Farm animals are generally healthy; considerable epizootic among horses; few fatal cases. About the usual number of sheep on hand feeding for market. Fat cattle and hogs have been shipped more freely than usual. Much attention is given to tile drainage, and 150 per cent. more tile was laid in 1880 than in any previous year. Farmers are adopting the improved methods of cultivating crops with good results; wheat is generally seeded with drill, and better crops are thus obtained.

JACKSON.—The corn area is much less than last year, and the yield per acre, owing to the drouth, is much below an average; the quality is not generally good. The dry season prevented the usual seeding of winter wheat, and the condition is much below an average; the early cold weather has not been favorable for the rapid growth of the wheat plant. Winter rye, as to comparative acreage and condition, about the same as winter wheat. There are not as many fat hogs and cattle as usual in feeders' hands awaiting shipment. Farm animals are generally healthy; the epizootic in a mild form, prevailed among horses, and there have been a few cases of loss of hogs by cholera. The fall season has been

very dry and cold, with more snow than usual. Farm drainage, the growing of a greater diversity of crops, and more care in the selection of seed and breeding stock, are some of the indications of improved methods adopted by the farmers of the county.

JASPER.—The average yield per acre of corn is rather more than last year; the acreage is less; the quality was injured in some localities by the chinch bugs and drouth. Winter wheat is generally looking well, and the area is about the same as last year; the absence of thawing weather has been favorable to the crop. Winter rye is about up to an average in condition; not as much sown as last year. There is a limited supply of fat sheep for market, and not as many hogs and cattle as usual ready for shipment. Farm animals are healthy; horses were affected with a mild form of the epizootic. The weather has been very cold since the first of November, with frequent snows. There is of late a greater diversity of crops grown in this county, and flax is fast becoming one of the staple crops; 40,000 bushels raised last year, averaging about $7\frac{1}{2}$ bushels per acre. The system of drainage, being carried out, insures better and more uniform crops, with less uncertainty. The quality of live stock raised compares well with the best counties in the State.

JEFFERSON.—The corn acreage is hardly as large as in 1879, and the yield per acre much below that of average years, owing to the drouth which prevailed the past season; the quality is inferior. The usual area of winter wheat was not seeded, owing to the dry season, and for want of usual rains a large portion of the late seeding has not made the usual growth; the prospect is not encouraging for much over three-fourths of an average yield per acre. Winter rye is looking rather better than wheat, but is not up to an average in condition; the acreage is about the same as last year. Horses have been troubled with a mild form of epizootic; other farm animals are healthy and in good seasonable condition. There has been more extreme cold weather than usual since the middle of November. Winter wheat is the leading crop of the county, and more care in the selection of seed and preparation of soil, and a better mode of seeding with drills is noticeable of late years in all parts of the county. There is a large and increasing demand for the various improved breeds of farm animals.

JERSEY.—There is a slight increase in the corn area; the average yield per acre is much less than last season, and the quality from poor to good; the drouth injured the corn and largely reduced the yield. There is fully as large area of winter wheat sown as last year, and the condition promises nearly an average yield per acre; the color is good and plant well rooted; growth small. Fat cattle, hogs and sheep have been marketed more freely than usual, and there is a limited number compared with previous years, awaiting shipment. Live stock generally healthy and in good condition; horses suffered with the epizootic in a mild form. There is some complaint of weevil in granaries; chinch bugs injured the corn in localities, and the old striped potato bug damaged the potatoes in some places. Season cold since the 15th of November; cloudy with two thaws and rain. There is considerable interest manifested in testing new varieties of winter wheat, and

labor-saving machinery is generally used. Farmers are improving their stock and paying more attention to manure.

JO DAVIESS.—Corn acreage is about the same as last year; the yield per acre is much less and is not of as uniform good quality as usual. Not as much winter wheat sown as last year, and the condition is not up to an average; on account of the dry weather the wheat has made little growth, is very small. Rye is looking some better than wheat, but is not up to an average in condition; the acreage is less than last season. There is a limited supply of fat cattle and hogs awaiting shipment. Epizootic universally prevalent among horses; some cases fatal. Hog cholera has been very destructive in localities not heretofore visited by this disease, which has largely been confined to young pigs. Farm animals, except as noted above, are healthy and in fine condition. Winter set in much earlier than usual, the fall and winter dry and cold with very little snow; roads are excellent; a large crop of ice has been gathered. More attention is paid to dairy farming than ever before; Short Horn cattle, and Poland China hogs take the lead. Timothy and clover pastures are more extensively used in raising beef and pork.

JOHNSON.—The average yield per acre of corn is better than last year, and the acreage is fully as large; the early planted is firm and of good quality; the late corn is rather soft and chaffy. The winter wheat acreage is about the same as last year; owing to the drouth the wheat was sown late—has made but little growth, and prospects are not encouraging for an average yield per acre. The supply of fat cattle, sheep and hogs awaiting shipment is about the same as in previous years at corresponding dates. Farm animals are generally healthy and in good condition; some complaint in localities of cholera among hogs; horses have suffered slightly with the epizootic. The weather has been very changeable—had heavy snow in November. Considerable improvement has been made of late in the quality of the live stock of the county.

KANE.—The average yield per acre of corn is not as large as last season; the acreage is larger and the quality is superior. Winter wheat is looking well and promises to make an average yield per acre; there was not as much sown as in 1879. Winter rye is looking well and the acreage seeded about the same as in 1879. The number of fat cattle and hogs awaiting shipment is less than usual at corresponding dates. The epizootic appeared in a mild form among the horses; abortion still prevails in some dairies, and no remedy has been discovered. Weather has been cold since the middle of November; 8° below zero on the 9th inst; some snow. There has been a large amount of tile laid in the county during the past year, and the beneficial results are apparent; in some places the best corn was produced on land where the water usually stood four feet deep. Considerable amber cane was raised for making sugar, but the early frost injured the crop. Improved breeds of animals are quite general in the county.

KANKAKEE.—The average yield per acre of corn is about the same as last year; the acreage is less than in 1879; the quality is generally good. More winter wheat sown

than last season; the condition is not up to an average. Winter rye is not up to an average in condition; the acreage is less than last season. There is a limited supply of fat cattle and hogs on hand ready for market; about the same number of sheep as usual at this season of the year. Farm animals are healthy and in good seasonable condition. There has been considerable snow and the weather has been unusually cold. There is quite an interest taken in drainage, more tile being used than ever before. The dairy breeds of cattle are being largely introduced, and the making of butter and cheese is becoming a large industry with the farmers of the county.

KENDALL.—The yield per acre of corn is much more than last season, and the acreage is larger; the crop is nearly all secured and is of excellent quality. Very little winter wheat sown in the county, and the condition is not favorable for an average yield per acre. There is an increase in the area of winter rye, and the condition is encouraging for nearly an average yield per acre. With the exception of a mild form of epizootic among horses, farm animals are healthy and in excellent condition; early in the fall there was some complaint of loss of hogs by cholera. There is nearly the usual number of fat cattle and hogs on hand awaiting shipment; fat hogs have been more freely marketed than usual, leaving a limited number in feeders' hands. The weather has been cold, with very little snow; nine days in December, the mercury was at zero, and 22° below on the 29th. Considerable tile is being laid in this county.

KNOX.—The large corn acreage of last year was increased this season, and the average yield per acre is nearly as large as in 1879; the quality is mainly good; more small ears than usual. Winter wheat is looking well and promises more than an average yield per acre; the acreage is larger than seeded in 1879. More winter rye sown than the previous year; the condition is better than an average. Few fat cattle and sheep in farmers' hands and more fat sheep than usual awaiting shipment. There has been some complaint of black leg with cattle, and epizootic in a mild form has prevailed with horses; some loss has been sustained among hogs from so-called cholera. Roads are in excellent condition; the mercury has been as low as 14° below zero. Great increase in the work of tile drainage; the crops are not only greatly increased but a supply of stock water is often found for winter. Jersey cattle are rapidly increasing for the dairy, and Jersey bulls with any large milkers make a choice dairy cow; more interest in sheep than heretofore; Southdown and long wool breeds especially. The season of 1880 was unusual; quite wet early in the season but remarkably dry later.

LAKE.—The average yield per acre of corn is fully as large as last year, and the quality is unusually good; the area of the present crop is not as large as last year. Winter wheat is nearly up to an average in condition; the acreage is about the same as last year. Less winter rye sown than in 1879; the condition is not up to an average, owing to the dry cold season. The number of fat hogs and sheep awaiting shipment, is less than last season at corresponding date. Farm animals are healthy and in good condition; horses were troubled with the epizootic for some weeks. The weather has been very cold and dry since the opening of winter. There

is considerable attention given to the improvement of live stock, and the Clydesdale and Norman horses now take the lead among farmers. There is a large number of Alderneys or Jerseys in the county, which have always given good satisfaction to our dairymen. The first herd of Polled Angus, or Aberdeen cattle, imported to the State, is owned in this county.

LASALLE.—There is about the same corn area as last year, and the average yield per acre is fully up to that of last season. More winter wheat was sown than last year, and the condition promises more than an average yield per acre. Winter rye is looking well; the acreage is not as large as last season. More fat sheep on hand awaiting shipment, than usual, and a limited number of fat hogs and cattle in feeders' hands. There has been but little complaint of loss of hogs by cholera; horses had the epizootic in a mild form, otherwise farm animals are healthy and in good condition. Chinch bugs did considerable damage last season, and there were some complaints of codling moth. The weather has been changeable, varying from 14° below to 40° above zero, and but little snow. Tile drainage commenced three years ago, and the amount laid has largely increased each year with excellent results, all agreeing that money invested for tile is well spent. The county is noted for fine stock, and the interest is increasing.

LAWRENCE.—The average yield per acre of corn, exceeds that of the previous year, but the acreage is much less, making the aggregate crop less than in 1879; the crop was saved in fine condition, and the quality is much above an average. The stand of winter wheat is not up to an average; much of the crop was sown late, and the plant is small; the acreage is less than last year. Winter rye is looking well; the area seeded is about the same as last year. The supply of fat cattle and sheep is about the same as usual at this season. Fat hogs have been marketed freely, leaving a limited number on hand awaiting shipment. A mild form of epizootic among horses prevailed for some time with no fatal results; other farm animals are healthy and in good condition. The season of late has been clear and cold, with little snow.

LEE.—On light soil the corn was injured by drouth, but is generally sound and of good quality. Very little winter wheat sown; the crop at the commencement of winter looked well. Winter rye is in good condition. A very few isolated cases of hog cholera reported; epizootic in mild form has prevailed to some extent among horses, otherwise farm animals are healthy. Farm drainage is attracting more general attention. Some favor feeding off the crops where they grow, by using movable fences, thus saving the expense of harvesting, handling and feeding, and returning to the soil the manure, thus sustaining its fertility.

LIVINGSTON.—The average yield per acre of corn is much below that of last year, and the quality is not uniformly good; the acreage is much less than in 1879. The condition of winter wheat is about up to an average; the area is much less than last season. Less winter rye sown than usual; the condition is up to an average. More fat sheep awaiting shipment than usual at this season; there is a very limited number of fat cattle and hogs

in feeders' hands. There has been but little complaint of loss of hogs by cholera, and no fatal cases resulting from the mild form of epizootic, which prevailed among horses. A large amount of tile drain is being laid in the county, and the results are highly satisfactory; tile drains proved to be this season of as great value as in a wet one, and the increased crops pay expense of draining in one or two years. In the experience of some farmers, ten bushels more corn is raised on fall plowed land than when the same land is plowed in spring. There is more interest than heretofore in the improvement of live stock, especially draft horses and short horn cattle.

LOGAN.—The average yield per acre of corn is about the same as last season; the acreage is less. The quality is from medium to good; more chaffy corn than usual. Winter wheat is looking well, and the acreage is much larger than last season; wheat sown in standing corn does not look as well as that on stubble ground. Winter rye is up to an average in condition; the acreage is less than usual. Farm animals are generally healthy; horses were troubled with a mild form of epizootic; few complaints of cholera among hogs. Chinch bugs did great damage to the spring wheat the past season, and there are a great many in the corn fields. The weather has been unusually cold since early in November. Farmers are thoroughly aroused as to the importance of tile drainage, growing more fall wheat and improving the live stock; considerable attention is given to the cultivation of sorghum cane. Fall wheat has proved quite profitable, the change from corn is doing the land good, and distributes the work, making the expense less for teams and labor.

MACON.—The yield per acre of corn is some better than last year; the area is not as large; the quality is generally good; late planted corn is rather light and inferior. More wheat sown than last fall, and the condition is nearly up to an average. The wheat, until the present sleet, has been lightly covered with snow, and since winter commenced was in promising condition; some of the first seeding was injured by the fly. Not as much rye sown as last year; the crop is up to an average in condition. There were a few fatal cases resulting from the epizootic influenza among horses; other farm stock healthy and in good condition. Fat hogs have been marketed more freely than usual; there is about the same number of fat cattle and sheep on hand awaiting shipment. The weather has been unusually cold since early in November. There has been a vast amount of land tiled of late, and pond or wet land in this county will soon be a thing of the past; the best crops the past season were raised on lands recently reclaimed by drainage. The county is noted for its fine stock, and many of the best farmers are engaged in improving cattle, horses, sheep and swine.

MACOUPIN.—The acreage and average yield per acre of corn is less than last season; the quality is good; an unusual amount is still in the field; the drouth reduced the yield per acre. Winter wheat is looking well, and promises an average yield per acre; the acreage is much larger than last season. Rye promises to make an average crop; the acreage is about the same as in 1879. More fat sheep on hand than usual at this season; fat cattle and hogs are scarce. Very few complaints of loss of hogs by cholera; the epizo-

otic influenza with horses was mild and very few fatal cases reported. The weather has been extremely cold since early in November.

MADISON.—The corn area is less than last season, and the yield per acre much less than in 1879; the dry weather and chinch bugs reduced the yield and injured the quality; some think the chinch bugs injured the white corn more than the yellow. More winter wheat sown than last fall, and the condition is nearly up to an average; the plant has good color, but owing to dry weather has not made the usual growth. Very little winter rye sown, and less this season than last; the condition is nearly up to an average. Horses have generally had the epizootic influenza in a mild form; farm animals are generally healthy, and in good seasonable condition. November was unusually cold; the drouth has made water scarce for stock. The supply of fat sheep awaiting shipment is about the same as heretofore at corresponding date; fat hogs and cattle have been marketed more closely than usual.

MARION.—The drouth severely injured the corn crop; the area is less than last season, and the yield per acre is much below an average; the quality is not good. Owing to the dry weather, wheat was seeded late, and went into winter in poor condition; the area is much less than last season. About the usual area of rye sown; the condition is not promising for an average yield per acre. With the exception of epizootic influenza with horses, farm animals are generally healthy. The supply of fat cattle, hogs and sheep is about the same as in previous years at same date. There has been more cold, cloudy weather than usual.

MARSHALL.—The corn crop is large and of good quality; the acreage exceeds that of the previous year, and the yield per acre is much above an average. Winter wheat is up to an average in condition; the acreage is less than last year; not much grown in the county. Rye is looking well; the area seeded is less than last year. More fat cattle and sheep on hand than usual, and a limited number of fat hogs awaiting shipment. But few horses died of the epizootic influenza, which was of mild form; otherwise farm animals are healthy and doing well. Insects did considerable damage the past season; spring wheat and oats were almost destroyed in some localities by chinch bugs, which also injured the corn. The weather has been cold, with some snow. There is considerable interest in drainage, and a large quantity of tile has been laid off late, which adds largely to the productiveness of the land. The improvement of nearly all the various breeds of farm animals is receiving attention.

MASON.—The yield of corn per acre is much below an average, and the acreage is less than that of the previous year; the drouth cut the crop short; the quality is generally good. Winter wheat is looking well and the acreage is much larger than last season. There has been no complaint of any disease among farm animals, which are generally in seasonable condition. The season has been an extremely dry one—water in wells and streams very low. Winter set in on the 13th November and no intermission yet. The supply of fat cattle, sheep and hogs is much less than usual at this season. The county is devoted principally to grain raising, the warm sandy

soil favoring that branch of industry. The farmers in this county are keeping well up with the march of improvement in the use of all kinds of agricultural machinery, and adopting the better modes of putting in and cultivating crops. There have been some important movements made in the way of draining the rich flat lands in the county, which will add very much to the wealth when completed.

MASSAC.—The yield of corn per acre exceeds that of the previous year, and the area is fully as large as in 1879; the quality of corn on uplands is good. Winter wheat is above an average in condition, and the acreage is much larger than last season. Very little winter rye sown in the county; the crop looks well. In some localities the distemper or epizootic influenza has prevailed among the horses, and some sections complain of cholera among hogs. The weather has been unusually cold since early in November. Fat cattle have been marketed more freely than usual, and there is a limited supply on hand.

MCDONOUGH.—More corn was planted than in 1879; the yield per acre is less; the quality is hardly up to an average owing to the drouth which has seldom, if ever, been so prolonged. The dry weather during the months of October and November was not favorable to the growth of wheat and the condition of the plant is not up to an average; the acreage seeded is less than in 1879. Rye is not up to an average in condition and the acreage is less than usual. There has been considerable complaint of the epizootic influenza among horses, in a mild form; other farm animals are healthy and in a good winter condition. The ground is lightly covered with sleet and snow; the weather cold with north-west wind. Many wells are failing and the drouth has not been so bad for twenty-five years. Tile drainage has improved the land and increased the crops. Siberian winter wheat stands the cold weather better than any other variety grown in this section. There is much interest in Clydesdale horses which are being imported for the purpose of improving the stock.

MCHEMRY.—The average yield per acre of corn is larger than last year, and the acreage exceeds that of 1879; the quality is excellent, and the crop was saved in good condition. Winter wheat is looking well; the area about the same as seeded in 1879. Rye is nearly up to an average in condition, and fully as large acreage seeded as in 1879. With the exception of sheep, the number of meat animals feeding for market is less than usual at this season. The epizootic influenza prevailed in a mild form among horses during the month of November; has entirely disappeared; farm animals are generally healthy and in excellent condition. The season has been very cold and dry; the month of November was the coldest ever known; no rain or snow. Within a few years, growing cucumbers has become quite a business, and over 150,000 bushels have been used by the factories at Woodstock, one at Crystal Lake, and one at McHenry; price from 50 cents to \$1 00 per bushel. The rotation of crops is more popular than heretofore, and fertilizing the land is the rule of the best farmers. Considerable attention is paid to feeding sheep for Chicago spring market, and the returns thus far have been satisfactory.

MCLEAN.—The corn area is less than last season, and the yield per acre is below that of

1879; the quality is from poor to good; the dry weather reduced the yield and injured the quality. Winter wheat is not up to an average in condition; the stand is uneven and the growth is small; the acreage is much larger than last season. Winter rye is almost up to an average in condition; not as much sown as last season. Farm animals of all kinds doing well, excepting fat sheep; stock ready for market has been shipped more freely than usual, and there is a limited supply on hands. The past season rather dry; the weather the past four weeks very cold, and the ice is 16 inches thick. The methods of farming are better than heretofore; tile drainage has been quite general, and the results highly satisfactory. Improved breeds of farm animals have been introduced into the county, and shorthorn cattle, heavy draft horses and Merino sheep are quite popular.

MENARD.—Corn was injured by the drouth, the quality is not the best, or the yield per acre as large as last year. More attention is paid to winter wheat, and the present acreage is larger than that seeded last year; the condition is hardly up to an average, owing to the dry season and early freezing weather, which was not favorable to growth. Less rye sown than in 1879; the condition is nearly up to an average. In some localities there has been some loss of hogs, resulting from cholera. Horses were affected with a mild form of the epizootic influenza, otherwise farm animals are healthy and in good seasonable condition. Fat cattle and hogs have generally been marketed, and there is a limited number on hand awaiting shipment. There has been but little rain, and water for stock is scarce; the fall and early winter has been very cold. A large quantity of tile is being laid, with the most favorable results. There is much interest manifested in the improvement of live stock, which is receiving better care. Many of the best farmers are plowing land in the fall, and the increased crops make this extra work profitable.

MERCER.—The yield per acre of corn, while above an average, is less than the yield of 1879; the acreage of the present crop exceeds that of the previous season. Winter wheat is looking well, and the area is fully as large as the past crop. Rye is up to an average in condition, and the acreage is as large as in 1879. More fat sheep awaiting shipment than usual. Number of fat hogs and cattle is limited. There are some cases of hog cholera; the horses were generally affected with the epizootic influenza, and some few cases were fatal; farm animals, except as noted, are in good seasonable condition. The weather since early in November has been quite cold; the ground is very dry. Farmers are convinced that drain tile is a good investment, and the five factories in the county are hardly able to supply the demand. The number of sheep has been largely increased during the past year, and the preference is for long wool and mutton sheep. The farmers who advance the statement that tile drainage induces drouth, forget that England, the most thoroughly tile drained country, has for several years suffered with excessive rains, which destroyed the crops.

MONROE.—The corn area is about the same as last season; but the average yield per acre is less; the quality is only medium.

The acreage of winter wheat is larger than last season, and the condition is nearly up to an average; the late seeding does

not look as well as the early; cold weather interfered with the growth. Very little winter rye grown in the county; the condition is nearly up to an average. There is a limited supply of fat stock in feeders' hands, awaiting shipment. Farm animals are in excellent seasonable condition; horses have recovered from the epizootic influenza, which prevailed in a mild form during the fall. The weather was extremely cold during November, and the heavy snow delayed the harvesting of the corn crop. The work of drainage is generally pursued, and large lakes and tracts of low, wet lands are being added to the cultivated area of the State.

MONTGOMERY.—There is a large reduction in the area of corn as compared with the crop of 1879, and the yield per acre is much below that of the previous crop; the quality, owing to the drouth and chinch bug, is not up to an average. The wheat mania still exists, and the large area of the past crop is exceeded by the growing crop, which is much below an average in condition; owing to the dry weather and early freeze, the plant has not made the usual growth. Rye is about up to an average in condition; the acreage is less than last year. There has been some fatal cases of the epizootic influenza among horses; other farm animals are doing well. With the exception of fat sheep the supply of stock ready for market is limited. Chinch bugs during the past year have done more damage than usual. Winter set in earlier than usual, and there has been continued cold weather since the middle of November. The low and naturally wet lands in the county are being rapidly brought into a high state of cultivation by surface and tile drainage. Farmers appreciate the advantages of the improved breeds of farm animals, and there are many engaged in raising good stock.

MORGAN.—The acreage of corn is about the same as last year, and the average yield per acre fully as large; the quality is good. Winter wheat is in promising condition, and the acreage is much larger than last season; much more care was taken in seeding, and the result will induce thorough preparation of the soil hereafter. Rye promises an average crop, and the acreage is about the same as seeded in 1879. More sheep, and less fat cattle and hogs on hand awaiting shipment, than usual at this season. Horses have generally been troubled with the epizootic influenza, and there have been a few fatal cases. There is less complaint of loss of hogs by cholera than usual, and farm animals are generally healthy and in excellent condition. The season has been very dry, not having sufficient rain for months to give what water was needed for stock; has been much suffering for want of it; has been very cold since the middle of November. Many farmers are tile draining their farms, and are well pleased with the results. The past dry season has not tested the advantage of tile except on low and very wet lands.

MOULTRIE.—The yield per acre of corn is some better than last season, but the acreage is much less than in 1879; the quality is generally good. More attention is being paid to wheat culture, and the area of the last seeding exceeds that of the preceding year; the plant looks healthy and vigorous, and gives promise for nearly an average crop. Winter rye is looking well; there was not as much sown as last fall. There is nearly an average supply of fat cattle awaiting shipment. Fat

hogs have been marketed more closely than usual, and there is a limited number on hand. Farm animals are generally healthy and in good condition; horses were troubled with the distemper, few fatal cases. Hog cholera prevailed to considerable extent in some localities. November was a remarkably cold month; the season has been quite dry. Tile drainage is becoming quite general, and is limited only for want of means. An active interest is taken by many farmers in improving the quality of the stock of the county. Nursery stock is in great demand, and the county will soon be noted for fruit production.

OGLE.—The acreage of corn is about the same as last season; the yield per acre is not as large; the quality is from fair to good. Winter wheat is nearly up to an average in condition, and more was sown than last year; the plant was making good growth until the recent dry, freezing weather set in. Rye is looking well, but there was not as much sown as in 1879; rye and wheat would be benefited by snow protection. With the exception of fat hogs there is an average supply of fat (cattle and sheep) stock ready for shipment. Horses have generally been troubled with a mild form of epizootic influenza, which has nearly abated; other farm animals are healthy and in seasonable condition. Winter set in about the middle of November and has since been very cold, with but little snow or rain. There has been a marked improvement in the quality of live stock of late years, and more clover is sown than heretofore. The good results attending the drilling of winter wheat will soon make broadcast sowing of grain the exception.

PEORIA.—Corn is of good quality, and the yield per acre is fully as large as last year; the acreage exceeds that of 1879. Winter wheat is not looking well, owing to the dry fall and late seeding; the area is not near as large as last year. Rye is not in a promising condition; the area is much below that of the preceding crop. There is a limited supply of fat hogs, cattle and sheep awaiting shipment. Farm animals are generally healthy; the epizootic influenza troubled horses, and a few died with what was called spinal meningitis. The past spring and first part of the summer was wet; late summer and fall dry, the winter thus far dry and cold, very little snow as yet. There are four tile mills actively at work supplying the demand; in many instances the increased crop has paid the expense of drainage in two years. The seed bed is prepared with more care for various crops each succeeding year, and more thorough cultivation is the order. Farmers are interested in breeding better farm animals.

PERRY.—Corn is very light and chaffy; the dry weather and chinch bugs injured the crop and reduced the yield much below an average; the acreage is about the same as planted in 1879. Winter wheat is about up to an average in condition and the area is about the same as sown last year; the plant is rather small, owing to late seeding. There is an increase in the area of rye, which promises more than an average yield per acre. Horses have all had the epizootic influenza in a mild form; very few fatal cases. Farm animals are generally healthy and in good winter condition. There is a limited number of fat hogs awaiting shipment, and about an average number of sheep and cattle ready for market. The

weather during November was the coldest since November, 1857.

PIATT.—The area of the corn crop is less and the yield per acre is below that of last year; the quality is generally good; much of the crop has not been gathered. The stand of wheat is nearly up to an average; owing to the dry weather wheat was sown late, and the cold weather has not favored usual growth; the present area is much larger than in the fall of 1879. Less winter rye sown than for the previous year; the condition is not up to an average. More fat sheep on hand than usual at this season, and nearly as many fat cattle and hogs. Some horses have died of lung fever and the epizootic influenza; before the cold weather set in there was considerable complaint of loss of hogs from cholera; other farm animals are healthy and doing well. The weather has been very cold since early in November, and the mercury remained at 12° degrees below zero for some time about the middle of the month. There is considerable interest in drainage, and the demand for tile is increasing. Many farmers are engaged in breeding good stock, which is in demand.

PIKE.—The corn acreage is much less than last season, and the yield per acre is much below an average, owing to the drouth which prevailed, not only reducing the yield but injuring the quality. Winter wheat is nearly up to an average in condition; the acreage slightly exceeded that of the previous year. There is no change in the area of rye. The supply of fat stock is limited, and there is a limited number of hogs for shipment. The epizootic influenza prevailed generally over the county; there were but few fatal cases. There are some losses from hog cholera in a few localities. Farm animals, except as noted, are healthy and in good seasonable condition. The weather was dry and cold until the 16th of December when we had a rain, which was followed by sleet and a little snow.

POPE.—The yield per acre of corn is less than last season; the acreage is about the same as last year; the quality is not up to an average; some of the corn was blown down, and the rains have injured a considerable portion of the crop not gathered. Wheat is looking well, and promises nearly an average yield per acre; the acreage is not as large as last season. Very little rye grown in the county. There is a limited supply of sheep and fat hogs awaiting shipment. Farm animals are healthy and in good seasonable condition. From October to November 15th the season was wet; since which date the weather has been very cold. There is considerable improvement in the quality of farm animals.

PULASKI.—The average yield per acre of corn is less than last season; the acreage is about the same as in 1879. Winter wheat is in fine condition, and the acreage is fully as large as in 1879. There is no complaint of disease among farm animals, which are generally healthy and in good condition. Fat cattle have been marketed earlier, and and there are less on hand than usual for the season. The weather has been very cold since the middle of November. There was considerable injury last season by the codling moth in apple orchards.

PUTNAM.—More corn was planted in 1880 than in the preceding year; the yield per acre is not as large as in 1879; the corn is sound and of good quality except on the sand prairie where the drouth injured the quality. Not much winter wheat grown in the county; the acreage is as large as last year, and the condition promises an average yield per acre. Less rye sown than in 1879; the plant looks well. There is a limited number of fat hogs and cattle awaiting shipment. Farm animals are generally healthy; the epizootic influenza was too much for some aged horses and worn out plugs. The mercurcy has ranged from 10° to 0°, with four inches of snow; weather dry and favorable for work. There is a general interest manifested in tile drainage both of farms and highways; the results are highly satisfactory. The intelligent, energetic farmer is crowding the slovenly farmer to the westward, and the practical, progressive agriculturist is liberally rewarded in this county for his labors.

RANDOLPH.—More corn planted this season than last; the yield per acre is much below that of 1879; there is much complaint of the inferior quality of corn, which is light and chaffy in some localities, owing to the dry season. Winter wheat is in promising condition; and the acreage exceeds that of the previous year. Very little rye grown in the county; the condition is much below an average. Farm animals are healthy and in thriving condition; horses have about recovered from the effects of the epizootic influenza. There is a limited number of fat cattle, hogs and sheep in feeders' hands awaiting shipment. The weather of late has been very cold; some rain and snow.

RICHLAND.—The yield per acre of corn is much below an average, and the acreage is less than in 1879; the quality is hardly medium. The acreage of winter wheat exceeds that of 1879; the condition is not up to an average; much of the crop was sown late. Hardly enough rye sown in the county to be worthy of mention. There is no complaint of disease among farm animals. Stock ready for market has generally been shipped, leaving a limited supply on hand. The county fair has greatly advanced the live stock interests in the county by introducing the various improved breeds of farm animals. A number of progressive farmers are breeding a better quality of stock.

ROCK ISLAND.—The average yield per acre of corn is not as large as last season; the area exceeds that of 1879; the quality is not up to an average owing to the excessive rains in May and June and the dry weather in July and August. Winter wheat is nearly up to an average in condition; the acreage is not as large as in 1879. There is a large increase in the area of rye; the stand is good and the condition promises an average crop. In some localities there is much complaint of loss of hogs by so-called cholera. Horses have generally recovered from the effects of the epizootic influenza; other farm animals are healthy and in good condition. Chinch bugs have injured cereals the past year; more especially wheat and oats, and in some instances corn. Farmers are generally draining their land with tile, and find that it pays. More attention is paid each year to the improvement of the quality of farm animals.

SALINE.—The corn area is much less than in 1879, and the yield per acre is much below

an average; the quality is inferior, owing to the drouth. Winter wheat is up to an average in condition; the area is much less than last year. Horses have been troubled with the distemper, and there is complaint in some localities of serious loss of hogs by cholera; other farm animals are healthy and in thriving condition. There is a limited supply of fat hogs, cattle and sheep awaiting shipment. There was too much rain in the spring, which was followed by drouth. The native stock of the county is being replaced by the improved breeds. There has been three times as much drainage done the past year as in any previous year.

SANGAMON.—The corn acreage is below that of the preceding year; the average yield per acre is about the same; the quality is hardly up to a good average, and there is more complaint of light weight than usual; much of the corn is still on stalk. Winter wheat promises well, and the acreage exceeds the large seeding of 1879; the plant has not made the usual growth owing to the dry season; the snows have modified the effects of the drouth. The strong vigorous condition of rye is encouraging for more than an average yield per acre; the area is about the same as last year. Nearly all the horses have been troubled with a mild form of the epizootic influenza; very few fatal cases. There has not been any general complaint of loss of hogs by so-called cholera, although in some localities this disease has proved quite fatal; otherwise farm animals are doing well. The winter season has been unusually cold and there has been much complaint of the scarcity of water for stock. Farmers are generally interested in tile drainage, and are engaged in the work according to the means at command; much valuable wet land is being reclaimed and added to the cultivated area of the county. Much attention has been given to the improvement of farm animals, and few counties compare with Sangamon in the number of excellent farm animals raised.

SCHUYLER.—The corn acreage is about the same as last season; the yield per acre is less than in 1879, and is below an average; the quality is medium; corn was damaged in some localities by chinch bugs. Winter wheat is nearly up to an average in condition, and the acreage is nearly as large as last year; the plant has not made as much growth as usual, owing to the drouth and early, hard freezing weather. Rye is looking well, and the acreage is up to that of the previous year. Farm animals are healthy and in good seasonable condition. The weather has been colder than usual during the fall and winter. Fat stock ready for market is limited; cattle, sheep and hogs have been shipped earlier than heretofore. Considerable land is being tile drained each year, and the results are highly satisfactory.

SCOTT.—The corn area is less than last year; the yield per acre is below that of 1879; in some parts of the county the corn is light and chaffy, and the kernels loose on the cob. More winter wheat seeded than last year; the condition is hardly up to an average; the cold dry weather has not been favorable for the usual growth of the plant. Rye is hardly up to an average in condition; the area is very limited. The supply of fat hogs and cattle awaiting shipment is limited. Horses suffered quite generally with the epizootic influenza; otherwise farm animals are healthy

and in good seasonable condition. There has been less complaint of loss of hogs by cholera this season than usual. The weather since early in November has been exceedingly cold with less rain and snow than usual. There is more interest in the improvement of all kinds of live stock than heretofore; more especially hogs, cattle and sheep.

SHELBY.—The yield per acre of corn is fully as large as in 1879; the acreage is less than last year; the quality is nearly up to an average, and better than expected, during the dry weather the past season. The acreage of winter wheat is larger than that seeded in 1879, and the condition is nearly up to an average; the plant is well rooted, and the growth is fair; the late dry, freezing weather without snow protection, may have injured the prospects somewhat. Rye is nearly up to an average in condition; the acreage is about the same as last season. There is about the usual number of fat sheep awaiting shipment; fat hogs and cattle have been marketed earlier than usual, and there is a limited number on hand. Farm animals are generally healthy; horses are recovering from the effects of the epizootic influenza. The season has been cold and dry. Farmers are paying more attention to the proper cultivation of crops, breeding better animals, and improving their land by a thorough system of tile and surface drainage.

STARK.—The corn acreage is fully as large as last season; the yield per acre is up to an average, but less than in 1879; corn is of good quality and has been sown in good order. Very little winter wheat grown in the county, and the acreage is less than last year; the condition is nearly up to an average. Rye promises to make an average crop; the acreage is some less than last season; the early seeding looks best. Horses are recovering from a mild form of the epizootic influenza; live stock is generally doing well. The weather has been unusually cold the past six weeks. Farmers are tiling their lands, and the results are very satisfactory. A great deal of clover is grown of late years. More attention is paid to the quality of farm animals; and the improved breeds are in great demand for grading up the native stock of the county.

ST. CLAIR.—The corn acreage is fully as large as last season; the yield per acre is about up to an average, but much less than last year; the quality is fair; will not weigh as much per bushel as last year. Winter wheat is hardly up to an average in condition; the acreage is fully as large as that of the preceding crop. Rye is looking well; very little sown. Wheat and rye sown early has made good growth. Farm animals are healthy and in a thriving condition. There has been considerable cold weather, but the snows preceding the cold snaps have protected the wheat. Farmers are more careful about preparation of seed bed, and the selection of the best varieties of wheat, which are drilled with the most approved implements. The importance of thorough drainage is appreciated.

STEPHENSON.—The yield per acre of corn is not as large as last season, and will not weigh as much to the bushel as the crop of 1879; the area is some larger than last season. Winter wheat is nearly up to an average in condition, and the acreage is

about as large as last season; the dry weather was not favorable to the late seeding; the wheat is well protected by snow. Rye looks well, and fully as much sown as last season. Horses have nearly recovered from the effects of the epizootic; very little complaint of loss of hogs by disease; other farm animals are healthy and in good condition. The weather has been unusually cold, and there are many complaints of the dry season. The interest in the improvement of live stock is increasing, and more thorough cultivation of the crops is noticeable, as well as the adoption of the improved methods of farming. Fat cattle, sheep and hogs have been marketed earlier than usual, and there is a limited number on hand awaiting shipment.

TAZEWELL.—The yield per acre of corn is hardly as large as last season, and the acreage is some less; the quality is generally good. There is a large increase in the area of winter wheat over that of last year; the condition is much below an average; the dry weather after seeding, followed by early extreme cold weather, checked the growth. The acreage of rye is about the same as last season, and the condition is nearly up to an average. The supply of fat hogs is limited; the number of fat cattle and sheep awaiting shipment is fully as large as usual at this season. Horses are troubled with the epizootic influenza, some have died; there have been a few cases of dry murrain in cattle, and quite a number have died; other farm animals are healthy and doing well. The season has been dry and cold, with some little snow; there is a scarcity of water. There are several tile factories in the county, and the demand for tile is rapidly increasing.

UNION.—The yield of corn per acre is not as large as last season; the acreage is fully as great as in 1879; much of the crop is still ungathered; the quality is from fair to good. Wheat was generally sown late and is not up to an average in condition; more wheat sown than in 1879, and the snow covering will help the crop. Rye is looking well; very little sown. There is a limited number of fat hogs and cattle awaiting shipment, and about the usual number of fat sheep ready for market. There were but few fatal cases resulting from the epizootic influenza among horses. In some localities there has been considerable loss of hogs by cholera; except as above noted farm animals are healthy and in thriving condition. The weather during the month of December has ranged from 65° above zero to 9° below.

VERMILION.—The corn crop is good, the yield per acre above an average and better than last year; the acreage is some less than that of 1879; corn is of good quality. Winter wheat is in excellent condition, and the acreage is much larger than last season; the plant is well protected by the snow. Rye promises to make an average crop; the acreage is larger than last year. Horses have been troubled with the epizootic influenza, and there has been some complaint of loss of hogs by cholera; other farm animals are healthy and in good condition. There is a limited supply of fat hogs awaiting shipment, and about the usual number of fat cattle and sheep in feeders' hands. Coldest November and December for thirty years. There is a scarcity of water for stock in some parts of the county. Farm drainage is receiving considerable attention, and the results are highly satisfactory. A large farmer in the county

averaged fifty-five bushels of corn per acre on eight hundred and forty acres which had been drained with over thirty miles of tile; the corn was of good quality; the cost of drainage per acre was eight dollars.

WABASH.—The corn acreage is less than last season, and the yield per acre is much below an average; the quality is medium; in some localities the corn is sound and of extra quality. Wheat is not up to an average in condition; much of the crop was seeded late to avoid the injury by the fly; the early freezing weather has retarded the growth; the acreage is some less than last season. Horses have been troubled with a mild form of the epizootic influenza, and there is but little complaint of loss of hogs by cholera; other farm animals are doing well. There is a limited number of fat cattle, hogs and sheep awaiting shipment. The season has been extremely cold, with considerable snow and plenty of rain. There seems to be more than usual interest taken in the improvement of sheep; other stock is receiving improvement. The cattle of the county are not of even medium quality, and the use of pure bred bulls would result in great good.

WARREN.—The yield of corn per acre is less than last season but is fully up to a good average, the acreage exceeds that of last season; the quality is excellent, and the crop was saved in fine order; the yield was reduced in localities by drouth and chinch bugs. Not as much wheat sown as last fall; the condition is nearly up to an average. The area of rye is fully as large as in 1879, and the prospect is encouraging for an average crop. Horses have about recovered from the effects of the epizootic influenza. In some localities hogs are dying from cholera; except as noted, farm animals are healthy and doing well. The past season has been too dry for the best results in farming; winter commenced in good earnest November 21; but little snow. Much attention has been given to drainage, which has given general satisfaction. There is a lively demand for Short Horn cattle on the farms, and Jerseys for family cows. Clydesdale, French and thoroughbred horses are used in improving the stock of this section.

WASHINGTON.—The corn crop was a failure in many localities, owing to the drouth and chinch bugs, and is of poor quality; the acreage is about the same as in 1879. Winter wheat is nearly up to an average in condition, and the snow protection is favorable; the late seeding is small. Very little rye grown in the county; the crop is looking well. Very little complaint of loss of hogs by cholera; horses have about recovered from the epizootic influenza; other live stock is doing well. Excepting fat cattle, there is not the usual supply of fat stock ready for shipment in feeders' hands. The fall and winter season has been much colder than in late years; there was but little rain from the first of July until the middle of September.

WAYNE.—The yield of corn per acre is much below an average and in some localities very inferior in quality; the area is much less than last year. Winter wheat has been seriously injured by the dry weather, and in some localities the fly has done considerable damage; the acreage of wheat is much less than last season. Rye is looking well, and the area is as large as in 1879. Farm animals are generally healthy and doing well. There is a

limited number of fat hogs awaiting shipment. The weather has been extremely cold since the winter set in.

WHITE.—The corn crop was a failure in some localities, and the yield per acre is not more than half that of 1879; the corn area is as large as last season; the quality is not above medium, owing to the excessive rains in the spring and the drouth during the summer. Wheat is hardly up to an average in condition; the early seeding was in many places injured by the Hessian fly, and the early winter checked the growth; hardly as much sown as in 1879. Rye is looking well; but little attention paid to this crop. In some localities there is considerable complaint of loss of hogs by cholera. Horses were generally affected with a mild form of the epizootic influenza; other farm stock doing well. Animals ready for market have been shipped more freely than usual, and there is a limited supply in feeders' hands. The winter set in earlier than usual, and the weather has been extremely cold. Tile drainage is attracting much attention, and all are pleased with the results. The more thorough cultivation of crops is noticeable. The improvement of the various breeds of animals is not keeping pace with the times.

WHITESIDE.—The area of corn is larger than last year, and the yield per acre, while up to an average, is not as large as last season; the quality of corn is good. Winter wheat is looking well; the acreage is much less than last year. Rye is in good condition and promises to make more than an average crop; the acreage is less than seeded in 1879. Horses have suffered from the epizootic influenza which in some cases has been followed by lung fever. In some localities there has been considerable loss of hogs by cholera; other stock is in thriving condition. The weather has been quite cold since the middle of November, with few days in that time when it was warm enough to thaw. There is much interest manifested in drainage, and farmers are organizing under the new drainage law with a view of more thorough and systematic work. The better methods of farming are noticeable in the county, and the improvement of the various breeds of stock is believed to pay well. Some advance the statement that the loss of hogs by cholera is largely owing to the practice of in-breeding. Sorghum cane is attracting more attention than heretofore.

WILL.—The yield per acre of corn is larger than last year, and the acreage exceeds that of 1879; the quality is good and the crop has been cribbed in excellent condition. Winter wheat is up to an average in condition; the early cold winter checked the growth of the plant somewhat; the area is not as large as last season. Less winter rye sown than in 1879; the condition is up to an average. Farm animals are generally healthy since the horses recovered from the epizootic influenza. There is a limited supply of fat hogs ready for market. The season has been dry, cold and favorable for farm work or hauling; there is about two inches of snow on the ground. The large amount of tile that has been used the last three years has made a great difference in the crops, and seventy-five bushels of corn is grown on land that would not produce thirty-five before it was tiled. Farm animals are being improved each succeeding year, and this county is noted for its fine herds of Hereford and Short Horn cattle.

WILLIAMSON.—The yield of corn per acre is much below an average, and there is complaint in some localities that it is light and chaffy; the acreage is not as large as in 1879. Winter wheat is not up to an average in condition, owing to the drouth in August and September which delayed seeding and checked the growth; there was more wheat sown than last year. Horses and mules were nearly all affected with the epizootic influenza. In some localities cholera among hogs prevailed to an alarming extent. There is a very limited supply of fat cattle, hogs and sheep awaiting shipment. The weather has been moderately cold, the ground well covered with snow. Some effort is being made to improve the quality of stock of the county, and the question of drainage is receiving more attention.

WINNEBAGO.—The corn area was larger than last year, and the average yield exceeds that of 1879; the quality is good except on sandy land where the crops was injured by drouth. The prospects for winter wheat are very encouraging; the area is larger than last season; there is some anxiety as to the result of the extreme cold weather in November and December. Not as much rye sown as last year; the crop is nearly up to an average in condition. Farm animals are generally healthy; there have been but few

cases of loss of hogs by disease, and horses have recovered from the effects of the epizootic influenza. There is a limited number of fat hogs awaiting shipment, and about the usual number of fat cattle and sheep ready for market. The early fall was extremely wet and warm, the late fall dry and cold. The winter thus far has been unusually cold with slight falls of snow or rain. There has been considerable effort of late years made to improve the live stock of the county.

WOODFORD.—The corn acreage is less than last season, and the yield per acre below an average; the quality is not as good as usual. Winter wheat is in promising condition; the acreage is fully as large as last year. Rye looks well, and the area is as large as in 1879. Horses were generally affected with the epizootic influenza; very few fatal cases. There has been some loss of shoats and pigs with hog cholera; other farm animals are healthy and doing well. There is a limited supply of fat hogs awaiting shipment. The weather has been dry and cold since November 14th, with little rain since November 1; several light snows. There is a great interest in tile drainage, and an unusual amount has been laid the past season; the results are very satisfactory. The improved breeds of farm animals are in general use in the county.

NAMES AND POST OFFICE ADDRESSES OF CROP CORRESPONDENTS, DEPARTMENT OF AGRICULTURE, FOR THE YEAR 1880.

ADAMS COUNTY:

T. Butterworth, Quincy.....	3
C. H. Rankin, Payson.....	4
A. R. Wallace, Camp Point.....	5
S. D. Lewis, Payson.....	5
G. W. Dean, Adams.....	5

ALEXANDER COUNTY:

James H. Metcalf, Cairo.....	4
J. E. McCrite, Elco.....	5
*J. I. Nowotny, Beech Ridge.....	2
Severe Marchildon, Thebes.....	5
John Miller, Commercial Point.....	2
**Wm. Minton, Hodges Park.....	1

BOND COUNTY:

John V. McFarland, Cottonwood Grove..	5
John Riley, Mulberry Grove.....	4
C. A. Meyer, Greenville.....	4
Thomas W. Hynes, Pocahontas.....	4
S. H. Challes, Pocanontas.....	5

BOONE COUNTY:

Evi Sherman, Poplar Grove.....	5
George Reed, Belvidere.....	5
S. C. Fox, Garden Prairie.....	5
L. W. Lawrence, Belvidere.....	5
E. E. Moss, Belvidere.....	5

BROWN COUNTY:

Henry D. Ritter, Versailles.....	3
George J. Hersman, Hersman.....	4
T. J. Nolen, Mound Station.....	5
R. T. Bratten, White Oak Springs.....	4
James Warren, Ripley.....	4

BEAUROU COUNTY:

L. D. Whiting, Tiskilwa.....	4
James F. Mallett, Milo.....	5
George W. Stone, Princeton.....	3
J. Y. Spangler, New Bedford.....	5
John L. Hall, Wyanet.....	4

CALHOUN COUNTY:

A. Smith, Hardin.....	5
George W. Long, Bellevue.....	3
William Love, Brussels.....	4
S. A. White, Monterey.....	1

CARROLL COUNTY:

C. W. Allison, Milledgeville.....	5
E. L. Byington, Lanark.....	4
G. N. Melendy, Thompson.....	2

CASS COUNTY:

Thomas J. Crum, Virginia.....	5
John M. Epler, Little Indian.....	2
John H. Goodell, Chandlerville.....	5
John Beggs, Ashland.....	5
J. K. Clark, Bluff Springs.....	3

CHAMPAIGN COUNTY:

James Battlerman, Pesotum.....	5
J. M. Morse, Gifford.....	5
W. A. Conkey, Homer.....	5
J. C. Ware, Mahomet.....	4
J. M. Lewis, Urbana.....	4

CHRISTIAN COUNTY:

J. B. White, Morrisonville.....	5
A. B. Herdman, Morrisonville.....	2
John W. Hunter, Owaneco.....	5
O. S. Nash, Sharpsburg.....	3
J. Overholt, Assumption.....	5
**J. R. Hill, Edinburg.....	2

CLARK COUNTY:

James B. Shepley, Martinsville.....	4
F. B. Ennis, Dolson.....	5
R. R. Scott, Casey.....	5
Samuel Park, Marshall.....	5

CLAY COUNTY:

W. W. Bowler, Flora.....	5
John S. Symond, Xenia.....	4
Crawford Erwin, Louisville.....	5
Theron Gould, Bible Grove.....	5

CLINTON COUNTY:

W. H. Russell, Lost Creek.....	4
John Burton, Trenton.....	4
O. B. Nichols, Sr., Carlyle.....	5
B. Pullen, Centralia.....	5

COLES COUNTY:

Thomas O'Brien, Ashmore.....	3
J. F. Dore, Charleston.....	4
M. P. Threlkeld, Mattoon.....	4
**Daniel Montgomery, Mattoon.....	1
**Wm. F. Corton, Mattoon.....	2

COOK COUNTY:

A. H. Dolton, Dolton's Station.....	4
Norman Powell, Palos.....	5
Alex. Wolcott, Chicago.....	2
George Struckman, Elgin.....	5
C. L. Sweet, Glenwood.....	5

CRAWFORD COUNTY:

William L. Henstiss, Robinson.....	5
Andrew Newlin, Hutsonville.....	5
Firdley Paull, Palestine.....	5
**Wm. Highsmith, Flat Rock.....	2
**J. P. Weger, Flat Rock.....	2

CUMBERLAND COUNTY:

Harlow Park, Greenup.....	5
David Neal, Neoga.....	5
Ed Bumgarder, Hazel Dell.....	5
Henry Spring, Hazel Dell.....	4

DEKALB COUNTY:

Sam'l Alden, Sycamore.....	5
D. M. Marsh, Sandwich.....	5
George Greenwood, Waterman Station.....	5
R. M. Pritchard, Waterman Station.....	5
M. W. Cole, Kingston.....	5

DEWITT COUNTY:

E. H. Robb, Waynesville.....	5
John McDonald, Farmer City.....	5
John Vandervort, Clinton.....	5
†James W. Knox, Wapella.....	2
Chas. McCuddy, Clinton.....	3

DOUGLAS COUNTY:

James H. Wilson, Tuscola.....	5
J. T. Irwin, Tamargo.....	3
S. L. Woodsworth, Arcola.....	4
F. A. McCarthy, Arcola.....	5

DUPAGE COUNTY:

H. L. Bush, Downer's Grove.....	4
P. W. Stacy, Prospect Park.....	4
Lewis Ellsworth, Naperville.....	3
Daniel Dunham, Wayne.....	4
W. R. Patrick, Lombard.....	4

EDGAR COUNTY:

W. O. Pinnell, Kansas.....	3
A. N. Workman, Scott Land.....	5
W. H. Stubbs, Ferrell.....	3
B. O. Curtis, Paris.....	5
A. S. McCord, Paris.....	4

EDWARDS COUNTY:

W. A. Shelby, Maple Grove.....	5
W. J. Q. Orange, Albion.....	2
Marion Huffman, West Salem.....	4
Jas. Dawes, Albion.....	4
John W. Skeavington, Albion.....	5

EFFINGHAM COUNTY:

A. B. Kidder, Moccasin.....	5
John McDonald, Edgewood.....	5
W. H. Hyden, Elliottstown.....	4

FAYETTE COUNTY:

O. E. Lovett, St. Elmo.....	5
C. Carson, Brownstown.....	4
Fr. Fellwock, St. Paul.....	4
J. F. Kennedy, Shabonier.....	4
Alfred Griffith, Brownstown.....	4

FORD COUNTY:

L. T. Bishop, Piper City.....	4
John J. Simons, Paxton.....	2
James Ogelvie, Caberay.....	5
O. D. Sackett, Roberts.....	5
S. J. Le Fevre, Gibson City.....	4

FRANKLIN COUNTY:

Wm. Drummond, Benton.....	4
F. M. Phipps, Benton.....	4
C. C. Biggs, Cave.....	2
Isham Harrison, Mulkeytown.....	4
Thos. Neal, Ewing.....	5

FULTON COUNTY:

M. Rawalt, Canton.....	5
Alex. Baily, Vermont.....	4
D. H. Gorham, Avon.....	4
John Prickett, Lewistown.....	5

GALLATIN COUNTY:

G. W. Moore, Equality.....	5
C. W. McGehee, Shawneetown.....	4
Martin Doherty, Waltonborough.....	5
A. K. McCabe, Shawneetown.....	3

GREENE COUNTY:

C. W. Brace, Kane.....	5
Alex. King, Athensville.....	4
Elon A. Eldred, Carrollton.....	4
S. G. Russell, Bluffdale.....	3
Jas. Rickart, Whitehall.....	5

GRUNDY COUNTY:

John Hurst, Minooka.....	4
Otis Baker, Morris.....	5
R. K. Slosson, Verona.....	5
Wm. Pierce, Verona.....	4
C. E. Parker, Gardner.....	4

HAMILTON COUNTY:

John H. Barker, Broughton.....	1
A. M. Sturman, Dahlgren.....	5
Adam Crouch, Belle City.....	5
**R. W. Jordan, Enfield.....	3

HANCOCK COUNTY:

A. C. Hammond, Warsaw.....	5
Emil E. J. Baxter, Nauvoo.....	4
B. Whitaker, Warsaw.....	5
W. W. Tull, Fruitland.....	4
W. S. Rehnick, Plymouth.....	4

HARDIN COUNTY:

James A. Lowry, Elizabethtown.....	5
John Mitchell, Cave-in-Rock.....	3
W. L. Stilly, Parkinson's Landing.....	3
T. A. McAmis, Elizabethtown.....	4
W. N. Warford, Sparks' Hill.....	5

HENDERSON COUNTY:

Samuel Hutchinson, Monmouth.....	4
Peter Groom, Raritan.....	5
John H. McDougall, Bigsville.....	5
Paul D. Salter, Kirkwood.....	5

HENRY COUNTY:

N. C. Howard, Geneseo.....	3
N. C. Gilbert, Geneseo.....	5
Joshua C. Edwards, Cambridge.....	5
John A. Widney, Woodhull.....	5
Wm. Mathis, Annawan.....	4

IRIQUOIS COUNTY:

Robert Caldwell, Sheldon.....	2
K. Shankland, Hoopestown.....	3
A. C. Johnson, Woodland.....	4
Isaac Pilotte, Martinton.....	3

JACKSON COUNTY:

George C. Hanford, Makanda.....	5
George B. Corey, DeSoto.....	4
Hiram Swartz, Elkhville.....	5
John A. Carter, Campbell Hill.....	5

JASPER COUNTY:

James Picquet, St. Marie.....	4
W. E. Barrett, Newton.....	5
R. G. Scott, Ingraham.....	2
A. Wilson, Montrose.....	4
Alfred Hammer, Rose Hill.....	4

JEFFERSON COUNTY:

John R. Moss, Mt. Vernon.....	4
John Wilbanks, Elk Prairie.....	5
L. E. Jones, Odyke.....	3
George L. Whitlock, Dix.....	5
E. S. Noleman, Irvington.....	5

JERSEY COUNTY:

Henry Ryan, Medora.....	4
James E. Starr, Elsie.....	4
J. T. Curtis, Otterville.....	5
J. H. Belt, Fieldon.....	5
W. H. Fulkerson, Jerseyville.....	3

JO DAVIESS COUNTY:

Henry Green, Elizabeth.....	4
E. M. Bouton, Galena.....	5
S. S. Brown, Galena.....	2
J. A. Hammond, Hanover.....	5
Joseph Moore, Plum River.....	4
R. A. Oliver, Hanover.....	3

JOHNSON COUNTY:

H. T. Williams, Buncombe.....	3
F. M. Jones, Vienna.....	4
J. F. Casper, New Brunside.....	4

KANE COUNTY:

Joseph Tefft, Elgin.....	5
J. P. Bartlett, Blackberry.....	5
H. Chapman, Sugar Grove.....	5
William Conant, Geneva.....	2
L. Baldwin, Hampshire.....	3

KANKAKEE COUNTY:

James Chatfield, Momenca.....	3
Milo Barnard, Manteno.....	5
R. A. Lane, Kankakee City.....	5
B. N. McKinstry, Grant Park.....	4
I. C. Mosier, Wilmington.....	5

KENDALL COUNTY:

J. M. Gale, Bristol.....	5
John S. Seely, Oswego.....	5
John Hurst, Minooka.....	4
L. Scofield, Newark.....	5
Geo. M. Hollenback, Millbrook.....	5

KNOX COUNTY:

John Sloan, Douglas.....	4
Isaac Hunter, Abingdon.....	5
G. A. Marshall, Abingdon.....	4
R. W. Miles, Gilson.....	5
A. A. Phelps, Wataga.....	3
C. G. Taylor, Galesburg.....	5

LAKE COUNTY:

*Elisha Gridley, Half-Day.....	4
Henry Hart, Hainesville.....	5
Arthur Cook, Wauconda.....	4
*John Pope, Wadsworth.....	5
G. S. Farmer, Libertyville.....	4
William Atteridge, Lake Forest.....	3

LASALLE COUNTY:

A. M. Ebersoll, Ottawa.....	5
Thomas J. Davis, Triump.....	3
Elmer Baldwin, Farm Ridge.....	5
George A. True, Utica.....	5
George W. Armstrong, Seneca.....	5
W. H. H. Holdridge, Tonica.....	5

LAWRENCE COUNTY:

W. T. Buchanan, Bridgeport.....	5
James F. Jennings, Chauncy.....	5
D. S. Porter, Lawrenceville.....	5

LEE COUNTY:

Abijah Powers, Prairieville.....	4
James C. Lahman, Franklin Grove.....	5
Thomas Clayton, Nelson.....	4
Abram Brown, Dixon.....	5
C. F. Ingalls, Sublette.....	4

LIVINGSTON COUNTY:

Dan. R. Potter, Fairbury.....	4
L. R. Bancroft, Pontiac.....	4
S. T. K. Prime, Dwight.....	4
†Alex. McIntosh, Rooks' Creek.....	4
James H. Smith, Minonk.....	3

OGAN COUNTY:

T. J. Corwin, Skelton.....	5
J. P. Hieronymus, Atlanta.....	5
Sorrell Doten, Mt. Pulaski.....	5
S. H. Hart, Hartsburg.....	4
W. C. Maul, Middletown.....	4

MACON COUNTY:

T. H. Barr, Argenta.....	5
H. W. Davis, Decatur.....	5
V. Barber, Decatur.....	4
G. Elliott, Harristown.....	4
D. P. Keller, Macon.....	4

MACOUPIN COUNTY:

J. H. Bauer, Bunker Hill.....	4
John P. Henderson, Virden.....	5
George W. Hilliard, Brighton.....	3
H. J. Loomis, Chesterfield.....	4
I. B. Vancil, Vancil's Point.....	5
Edwin H. Wilson, Shaw's Point.....	4

MADISON COUNTY:

V. P. Richmond, Moro.....	5
Irby Williams, Upper Alton.....	5
B. R. Hite, Collinsville.....	2
E. J. Jeffress, Marine.....	5
E. W. Mudge, Highland.....	2
John Balsiger, Highland.....	4

MARION COUNTY:

Urial Mills, Salem.....	5
J. W. Jennings, Walnut Hill.....	3
*Dale W. Carter, Hickory Hill.....	3
John D. Young, Kinmundy.....	4
R. M. McWham, Foxville.....	1

MARSHALL COUNTY:

George F. Wightman, Lacon.....	4
Henry Reader, Henry.....	4
G. W. Zimmerman, Sparland.....	5
D. B. Wier, Lacon.....	3
Calvin Stowell, La Prairie Centre.....	3

MASON COUNTY:

D. W. Riner, Mason City.....	2
J. B. Conover, Kilbourne.....	3
H. C. McIntire, Havana.....	4
E. J. Bowser, Bishop's Station.....	3
J. M. Ruggles, Havana.....	5

MASSAC COUNTY:

J. I. Gray, New Columbia.....	3
J. M. Choat, Metropolis.....	5
A. Brady, Pellonia.....	4
J. C. Gebhart, Massac Creek.....	1
L. W. Copeland, Joppa.....	4

MCDONOUGH COUNTY:

James N. Devore, Bushnell.....	2
J. R. Lounes, Table Grove.....	4
Samuel Frost, Macomb.....	5
W. H. Green, Bardolph.....	4
John B. Isom, Blandinsville.....	2

MC HENRY COUNTY:

E. H. Seward, Marengo.....	3
James Crow, Crystal Lake.....	5
Sidney Disbrow, Alden.....	5
T. McD. Richards, Woodstock.....	5
Richard Wray, Richmond.....	4

MCLEAN COUNTY:

C. N. Vandervoort, Randolph.....	5
John A. Ewins, Danvers.....	5
Nelson Jones, Towanda.....	4
Wm. H. Oglevee, Heyworth.....	5
Sylvester Peasley, Downs.....	3
Daniel McFarland, McLean.....	5
R. M. Guy, LeRoy.....	4

MENARD COUNTY:

W. W. Linn, Tallula.....	4
Thomas Kincaid, Athens.....	5
R. B. Godbey, Greenview.....	4
John F. Fulton, Petersburg.....	5
S. D. Masters, Petersburg.....	4

MERCER COUNTY:

Josiah Candor, Hamlet.....	5
D. H. Hayes, Aledo.....	3
Dan. W. Sedwick, Suez.....	5
Wm. A. Griffin, New Windsor.....	5
Joseph U. David, New Windsor.....	4

MONROE COUNTY:

Louis Thorn, Harrisonville.....	5
L Warnock, Columbia.....	4
George Frick, Hecker.....	4
Bennett James, Mitchie.....	4
J. Chewing, Renault.....	4

MONTGOMERY COUNTY:

E. W. Miller, Raymond.....	5
A. F. Weaver, Nokomis.....	5
J. B. Pocock, Nokomis.....	5
W. F. Hicks, Raymond.....	4
E. H. Donaldson, Nokomis.....	4

MORGAN COUNTY:

James C. Fairbank, Concord.....	5
S. S. Dewees, Alexander.....	5
John Gordon, Jacksonville.....	4
S. D. Masters, Murrayville.....	2
R. C. Curtiss, Waverly.....	5

MOULTRIE COUNTY:

B. R. Cole, Lovington.....	5
Wm. Kirkwood, Sullivan.....	5
G. W. Vaughn, Sullivan.....	4
F. M. Porter, Lovington.....	5
John Bowers, Williamsburg.....	4

OGLE COMNTY:

J. A. Atwood, Stillman Valley.....	5
J. L. Moore, Polo.....	3
A. D. Clark, Kyte River.....	4
W. B. Derrick, Baileyville.....	5
J. W. Knapp, Monroe Centre.....	2

PEORIA COUNTY:

G. C. Clark, Peoria.....	2
M. H. Snyder, Elmwood.....	5
H. Truitt, Chillicothe.....	3
Joseph Gallup, Chillicothe.....	5
**R. C. Davis, French Grove.....	3

PERRY COUNTY:

Alex. P. Baird, Four Mile.....	5
H. L. Burbank, DuQuoin.....	4
J. C. Kinzey, Tamara.....	4
James Ervin, Coulterville.....	4

PIATT COUNTY:

D. W. Smith, Farmer City.....	4
Ezra Marquis, Sr., Monticello.....	5
John W. C. Gray, Mackville.....	5
John H. Murphy, Bement.....	5

PIKE COUNTY:

Francis Fowler, Nebo.....	2
J. O. Bolin, Milton.....	4
*George Stebbins, Summer Hill.....	3
W. R. Wills, Pittsfield.....	5
W. H. Yates, Griggsville.....	3
**C. B. Dustin, Summer Hill.....	1

POPE COUNTY:

H. G. Cloud, New Liberty.....	4
J. E. Y. Hanna, Golconda.....	4
N. C. Weaver, New Liberty.....	5
Jasper N. Maynor, Eddyville.....	3

PULASKI COUNTY:

H. C. Fearnside, Villa Ridge.....	4
R. T. Calvin, Olmsted.....	3
J. H. Crain, Villa Ridge.....	4
W. A. Hight, Wetang.....	4
W. R. Crain, Mounds Junction.....	2

PUTNAM COUNTY:

W. Durely, Hennepin.....	5
Joshua L. Mills, Mt. Palatine.....	4
Geo. Hayslip, Granville.....	5
*Henry Hunter, Swachwine.....	2
W. S. Borley, Cottage Hill.....	4

RANDOLPH COUNTY:

*D. R. McMaster, Sparta.....	3
J. G. Eliff, Red Bud.....	3
J. H. Mace, Chester.....	4
Hugh Easdale, Tilden.....	4
S. W. McKelvey, Sparta.....	4

RICHLAND COUNTY:

R. C. Morris, Olney.....	1
S. M. Thompson, Parkersburg.....	5
John Camp, Claremont.....	5
W. E. Alcorn, Noble.....	2

ROCK ISLAND COUNTY:

Jesse S. Dailey, Cordova.....	4
John Buffum, Andalusia.....	5
Fred. Osborn, Osborn.....	5
J. A. Jordan, Orion.....	5
James Taylor, Taylor Ridge.....	4

SALINE COUNTY:

W. M. Joyner, Stone Fort.....	4
M. W. Willis, El Dorado.....	4
John W. Douthitt, Harrisburg.....	2
F. M. Prickett, Harrisburg.....	1
D. L. Grimes, Harrisburg.....	1

SANGAMON CUNVY:

M. D. McCoy, Rochester.....	5
A. A. Pickerell, Mechanicsburg.....	5
Geo. M. Caldwell, Williamsville.....	3
H. J. Conover, Bates.....	5
George P. Weber, Pawnee.....	5

SCHUYLER COUNTY:

T. J. Window, Littleton.....	5
R. C. Noyes, Camden.....	5
John M. Darnell, Pleasant View.....	1
Lewis D. Erwin, Rushville.....	4
Simon Doyle, Rushville.....	5

SCOTT COUNTY:

Henry L. Gordon, Winchester.....	5
J. M. Leighton, Manchester.....	5
Henry Miner, Winchester.....	4
Geo. W. Martin, Winchester.....	5
J. B. Mays, Merritt.....	2

SHELBY COUNTY:

John Turner, Todd's Point.....	5
Charles W. March, Moweaqua.....	5
E. A. McCracken, Lakewood.....	3
L. H. Turner, Strasburg.....	5
Edward Roessler, Shelbyville.....	3

STARK COUNTY:

John Lackie, Osceola.....	4
H. H. Oliver, Toulon.....	5
William Nowlan, LaFayette.....	5
J. M. Thomas, Wyoming.....	5
J. H. Anthony, West Jersey.....	5

ST. CLAIR COUNTY:

D. F. Miller, Belleville.....	5
M. T. Stookey, Belleville.....	3
James H. Scott, Shiloh.....	1
John W. Wells, Marissa.....	4
Jacob Gundlach, Belleville.....	4

STEPHENSON COUNTY:		WAYNE COUNTY:	
H. J. Porter, Freeport	1	Henry Cramer, Mount Erie	4
Giles Turneure, Freeport	5	John Wilson, Fairfield	4
F. B. Walker, Dakota	5	L. M. Cisne, Cisne	5
C. H. Rosenstiel, Freeport	4	A. M. Cable, Fairfield	5
Hiram Snyder, Lena	5	G. M. Karr, Johnsonville	4
TAZEWELL COUNTY:		WHITE COUNTY:	
M. W. Messinger, Morton	5	John A. Spence, Norris City	4
J. B. Allen, Delavan	5	Ezekiel Hunsinger, Burnt Prairie	5
George W. Minier, Minier	4	Nathan Caley, Enfield	4
D. Sapp, Pekin	5	J. W. McHenry, Carmi	3
C. D. Worstall, Green Valley	4	Boone Kershaw, Grayville	4
UNION COUNTY:		WHITESIDE COUNTY:	
H. C. Bouton, Anna	3	W. H. Colcord, Coleta	2
W. J. Willard, Jonesboro	5	L. S. Pennington, Sterling	4
F. E. Peebles, Cobden	3	E. B. Warner, Morrison	2
VERMILION COUNTY:		Geo. B. Quigley, Prophetstown	5
Fred. Tilton, Rossville	3	WILL COUNTY:	
Robert Barnett, Indianola	5	Jacob Smith, Lockport	5
J. H. Oakwood, Catlin	5	J. N. Fryer, Channahon	5
S. H. Oakwood, Pilot	4	C. A. Westgate, Peotone	5
J. C. Pierce, Ridge Farm	3	J. B. Fisher, Du Page	5
Thomas Armstrong, Rossville	4	Samuel G. Nelson, Wallingford	3
WABASH COUNTY:		WILLIAMSON COUNTY:	
John F. Harrington, Allendale	4	S. M. Mitchell, Corinth	5
John W. Habberton, Mount Carmel	3	D. R. Harrison, Herrin's Prairie	4
Joseph Litherland, Allendale	5	Geo. W. Davis, Crab Orchard	5
M. L. Tilton, Mount Carmel	5	James W. Washburn, Carterville	2
Thomas Riggs, Mount Carmel	4	WINNEBAGO COUNTY:	
WARREN COUNTY:		J. M. Herring, Durand Station	5
Henry Tubbs, Kirkwood	4	J. H. Kirk, Rockford	5
D. C. Graham, Cameron	5	H. J. Rolasen, Durand Station	3
J. D. Porter, Alexis	5	Webster Osborn, Winnebago	5
John A. Gordon, Roseville	5	Wm. Atkinson, Harrison	5
A. T. Bruner, Monmouth	2	C. A. Starr, Durand Station	4
WASHINGTON COUNTY:		WOODFORD COUNTY:	
Henry Hoffman, Nashville	1	Joseph Wylie, Minonk	5
William C. Spencer, Dubois	4	L. A. Gilpin, Cazenovia	4
John W. Yost, Beaucoup	3	A. H. Brubaker, Benson	4
H. H. Meyer, Stone Church	5	C. M. Stephenson, Secor	4

Correspondents are requested to report any errors in Names and Postoffices.

A very large proportion of the Correspondents made all the reports (5) called for in 1880, as will be seen by the figures opposite their respective names.

* Deceased during the year 1880.

** Appointed during the year 1880.

† Moved away during the year 1880.

‡ Resigned on account of ill health.

(Continued from page 8.)

PROFITS PER ACRE.

The following table shows the profits per acre on the leading crops grown in the State since 1860 after deducting the various items of expense for cultivation. The crops named in the table rank as follows in the average amount of profit realized per acre on the entire crop of the State the last twenty-one years, viz: Irish potatoes, \$25.72; barley, \$6.16; Hay, \$5.70; wheat, \$3.26; corn, \$1.16; rye, \$0.28, and oats at a loss of six cents per acre. The soil of the State is noted for its fertility, and the economy and ease with which it can be worked.

There are many good farmers in the State who obtained the past season an average of 40 or more bushels of wheat per acre and upwards of 75 bushels of corn per acre, but there are more indifferent farmers who pay little attention to their crops and fail to get even half what is usually obtained by good culture. This shiftless class of farmers reduce the State average yield of the various crops to such an extent as to seriously reflect upon the industry and skill of the Illinois farmer.

PROFITS.

	Corn.	Wheat.	Hay.	Oats.	Rye.	Barley.	Irish Potatoes
1860.....	\$2 24	-\$0 95	\$6 60	-\$2 12	-\$1 93	\$0 71	\$4 25
1861.....	-3 50	-2 53	6 60	-4 08	-4 36	-4 58	2 64
1862.....	-1 01	09	6 25	-4 60	-1 20	11 05	19 45
1863.....	3 14	2 04	9 90	4 04	2 04	10 26	31 25
1864.....	14 25	11 66	15 65	9 60	5 42	20 49	72 88
1865.....	-0 19	1 45	6 60	-1 00	-1 74	1 36	34 72
1866.....	3 08	14 54	6 27	1 81	2 52	6 45	34 81
1867.....	5 70	11 90	7 24	5 34	8 05	17 97	52 05
1868.....	4 20	3 25	6 65	3 04	5 26	24 53	36 96
1869.....	2 72	-2 04	8 34	2 62	-0 48	8 26	21 68
1870.....	1 82	73	5 32	-1 08	-0 46	1 85	31 29
1871.....	1 75	3 96	5 81	-0 14	-0 16	2 71	31 39
1872.....	-0 97	4 33	5 43	-2 45	-0 75	3 80	13 95
1873.....	-3 78	4 29	3 58	-1 09	-0 80	11 30	24 25
1874.....	-0 42	-0 67	5 23	-1 53	1 13	6 13	25 10
1875.....	1 16	-1 00	5 98	-0 16	0 26	7 37	20 41
1876.....	-2 75	-1 91	2 00	-4 20	-0 52	-1 70	25 20
1877.....	-1 82	8 67	2 64	1 05	-0 70	-1 75	12 40
1878.....	-4 04	1 09	1 09	-3 33	-5 03	-0 36	9 06
1879.....	1 66	5 81	25	-2 01	-1 33	-0 12	18 45
1880.....	1 06	3 72	2 40	-1 00	0 30	3 71	18 09
Average	1 16	3 26	5 70	-0 06	0 28	6 16	25 72

In the foregoing table the minus sign (-) is used where the crop was grown at a loss.

The following table shows the acreage, yield, value and exports of wheat and corn crops of the United States during the past ten years with the per cent. of exports and amount required for home consumption, to amount raised.

WHEAT

Years.	Acreage	Yield per acre, bushels	Total product, bushels	Price per bush.	Total value of product	Wheat & flour exported in fiscal year closing June 3, following, bush.	Per cent. exp't'd	Per cent. home consumption.
1871.....	19,943,893	11.5	230,722,400	\$1 25.8	\$290,411,820	38,995,755	16.9	83.1
1872.....	20,858,359	11.9	249,997,100	1 24	310,180,375	52,014,715	20.8	79.2
1873.....	22,171,676	12.7	281,580,285	1 15	323,817,322	91,510,398	32.5	67.5
1874.....	24,967,026	12.3	309,107,200	0 94.1	291,107,805	72,912,817	23.7	76.3
1875.....	26,381,512	11.0	292,136,000	1 00	294,580,990	74,750,682	25.5	74.5
1876.....	27,627,021	10.4	289,356,500	1 03 7	300,259,300	57,149,949	19.7	80.3
1877.....	26,277,546	13.9	364,194,146	1 08 2	394,695,779	92,141,626	25.3	74.7
1878.....	32,108,560	13.1	420,122,400	0 77.7	326,346,424	150,502,504	35.8	64.2
1879.....	32,545,899	13.7	448,756,118	1 10.8	497,008,803	180,304,000	40.1	59.9
1880.....	36,037,950	13.3	480,849,700	0 95.8	460,597,000	178,079,128	37.0	63.0

CORN.

YEARS.	Average.	Yield per acre, bushels.....	Total product, bushels.....	Price per bush.	Total value of product.....	Corn and corn meal exported in fiscal year ending June 30, bushels...	Per cent. exp'd	Per cent. home consumption.
1871...	34,091,137	29.1	991,898,000	\$0 48.2	478,275,900	35,727,010	3.6	96.4
1872.....	35,526,836	30.7	1,092,719,000	39.8	435,149,290	40,154,274	3.6	96.4
1873.....	39,197,148	23.8	932,274,000	48.	447,183,020	35,985,834	3.8	96.2
1874.....	41,036,918	20.7	850,148,500	64 7	550,043,080	30,025,026	3.5	96.5
1875.....	44,841,371	29.4	1,321,069,000	42	555,445,930	50,910,532	8.8	96.2
1876.....	49,033,364	26.1	1,283,827,000	37	475,491,210	72,652,611	5.6	94.4
1877.....	57,369,113	26.6	1,342,558,000	35.8	480,643,400	87,192,110	6.5	93.5
1878.....	51,585,000	26.9	1,388,218,750	31.8	441,153,405	87,884,892	6.3	93.7
1879.....	53,085,450	29.2	1,547,901,790	37.5	590,486,217	89,572,329	5.8	94.2
1880.....	52,695,231	29.2	1,537,535,000	40.1	617,485,100	99,191,035	6.4	93.6

IMPROVED METHODS.

The increased interest in drainage; the extensive demand for improved farm machinery; the numerous herds and flocks of fine stock that are to be found in nearly every county; the quality of cereals grown in the State are some of the evidences of the better methods adopted by the farmers of Illinois, and this progressive and successful class will soon influence the average farmer to adopt the more profitable modes, or to move west, where, with cheaper lands, he may without sharp competition, manage to make both ends meet.

FAT CATTLE.

Year.	Number assessed.	Estimated per cent. marketed	Number beef cattle marketed.	Av. Gross wt per head ...	Total gross weight.	Value per 100 lbs. Gross...	Value beef cattle product.
1856...	1,169,855	20	239,971	†1,000	233,971,000	†\$4 75	\$11,113,622
1857.....	1,351,209	20	270,242	†1,000	270,242,000	†4 75	12,836,495
1858.....	1,422,249	20	284,450	†1,000	284,450,000	†4 75	13,541,375
1859.....	1,336,565	20	267,513	†1,000	267,513,000	†4 75	12,706,867
1860.....	1,425,978	20	285,106	†1,000	285,106,000	†5 00	14,259,800
1861.....	1,428,362	20	285,672	†1,000	285,672,000	†5 00	14,283,600
1862.....	1,603,949	20	320,790	†1,000	320,790,000	†5 00	16,039,500
1863.....	1,684,892	20	336,978	†1,000	336,978,000	†5 00	16,848,900
1864.....	1,370,783	20	374,157	†1,000	374,157,000	5 05	13,844,928
1865.....	1,568,280	20	213,566	†1,000	313,656,000	5 70	17,878,392
1866.....	1,475,769	20	287,154	†1,000	287,154,000	5 60	16,080,624
1867.....	1,486,381	20	297,276	†1,000	297,276,000	5 75	17,093,370
1868.....	1,520,963	20	304,193	1,085	349,528,567	5 75	18,977,840
1869.....	1,584,445	20	316,889	1,103	349,528,567	5 70	19,923,130
1870.....	1,578,015	20	315,603	1,110	350,319,330	5 85	20,493,679
1871.....	1,611,349	20	322,270	1,129	363,842,830	4 75	17,282,533
1872.....	1,684,029	20	336,806	1,137	382,948,422	4 85	18,572,997
1873.....	2,015,819	20	403,164	1,145	461,622,780	4 50	20,773,026
1874.....	2,042,327	20	408,465	1,152	470,551,689	4 85	22,821,757
1875.....	1,985,155	20	397,031	1,147	455,394,557	4 85	22,086,633
1876.....	1,857,301	20	371,460	1,156	429,407,760	4 05	17,891,016
1877.....	1,750,931	20	350,186	†1,150	402,713,900	4 25	17,115,340
1878.....	1,775,401	20	355,020	1,160	411,823,200	3 45	14,207,900
1879.....	1,862,265	20	409,982	1,162	476,473,759	3 50	16,751,450
1880.....	1,999,788	20	399,955	1,167	467,019,031	3 65	17,026,130

† Estimated.

The number of fat cattle marketed in 1880 is the largest on record with the exception of the years 1873, 1874 and 1879, and the average weight per head is a fraction over that of previous years, which taken into consideration with the fact that younger cattle are marketed than heretofore, proves conclusively that the work of State and county fairs the last quarter of a century in encouraging the breeding of meat animals, noted for superior quality of flesh and early maturity is having the desired effect, and is not only adding millions of dollars to the revenue of our feeders annually, but enables this State to largely contribute to the home and foreign markets, meat of the best quality.

The average value of beef per one hundred pounds gross the past year slightly exceeds that of the two preceding years. The prices the past three years for beef cattle are the lowest on record notwithstanding the increased foreign demand, and this decrease is by some authorities accounted for by the improved quality and large supply of western cattle which has had the effect of depreciating the price of all except the best grades of cattle which have brought unusually high prices, and the demand for this extra class of cattle is not likely to be supplied for years. The value of the beef cattle marketed in 1880 exceeds that of the two previous years as will be seen by the foregoing table which gives other data concerning the extent and value of fat cattle during the past twenty-five years.

FAT HOGS.

The number of hogs marketed in 1880 exceeds that of the previous year by over one hundred thousand head (109,293). The net weight per head of hogs the past year is less than heretofore. The price per hundred pounds net was 4.99, and has not been exceeded since 1876. The value of the hog crop is \$22,137,461, and largely exceeds the value of either of the two preceding crops.

The following table gives the number of hogs assessed, marketed, and the value of the hog crop for the past twenty-five years. It will be seen in the table that the number assessed in 1880 while larger than that of the preceding year, is less than for the years 1872, 1873, 1874 and 1879

ILLINOIS HOG CROP.

Year.	Number assessed.	Estimated per cent. marketed	Number fat hogs marketed.	Average net weight per head....	Total net weight	Value per 100 pounds, net.	Value hog crop.
1856	1,596,903	70	1,117,832	*210	234,744,720	\$5 94	\$13,498,836
1857	1,893,585	70	1,325,509	*210	278,356,890	4 86	13,528,145
1858	1,908,603	70	1,336,022	*210	280,564,620	6 28	17,619,458
1859	1,725,328	70	1,207,730	*210	253,623,300	5 91	14,989,137
1860	1,530,256	70	1,071,179	*210	224,947,590	5 67	12,754,528
1861	2,196,581	70	1,537,607	*210	322,897,470	3 03	9,783,793
1862	2,601,395	70	1,820,976	*210	382,404,960	4 20	16,061,008
1863	2,506,138	70	1,754,296	*210	368,402,160	6 70	24,682,944
1864	2,044,844	70	1,431,391	*210	300,592,110	14 32	43,044,790
1865	1,743,005	70	1,220,103	231	281,843,793	11 67	32,891,170
1866	2,007,500	70	1,405,250	232	326,018,000	7 22	23,538,500
1867	2,616,814	70	1,831,770	201	368,185,770	7 95	29,270,778
1868	2,300,150	70	1,610,105	206	331,681,630	10 22	33,897,862
1869	2,056,304	70	1,429,413	205	295,079,665	11 53	34,022,685
1870	2,220,651	70	1,554,456	230	357,524,880	6 58	23,525,137
1871	2,938,749	70	2,057,124	227	466,967,148	5 15	24,048,808
1872	3,292,165	70	2,304,515	232	534,647,480	4 66	24,914,572
1873	3,560,192	70	2,492,134	214	633,316,676	5 43	28,959,095
1874	3,452,213	70	2,416,519	209	505,058,741	8 33	42,071,393
1875	2,809,969	70	1,966,978	217	426,834,226	8 82	37,646,778
1876	2,665,935	70	1,866,154	215	401,223,110	7 18	28,807,819
1877†	2,961,366	70	2,115,804	*215	455,687,574	4 99	22,738,881
1878†	3,335,550	69	2,345,391	*210	492,532,110	3 46	16,724,384
1879†	2,799,051	70	1,984,194	*210	416,680,740	3 99	16,640,061
1880†	3,133,557	70	2,193,487	*202	443,084,374	4 99	22,137,461

* Estimated. † Crop Reports Illinois Agricultural Department.

HOG CHOLERA.

The loss to the farmers of the State resulting from so-called hog cholera the last five years has averaged nearly a million and a quarter of dollars (1,224,759). The number of hogs reported as having died the past season from disease is 227,259 head, an increase of 44,682 head over 1879. The value of hogs lost in 1880 is \$937,293, or \$348,806 more than last season. The amount of loss the farmers have sustained during the past five years from so-called hog cholera is \$6,123,796, a sum that would pay off the mortgages on more than a thousand farms and add largely to the material prosperity of the State.

A competent State veterinary inspector could be of great value to the farmers of the State in the enforcement of practical sanitary laws providing safeguards against the spreading of this and other diseases of farm animals that are annually the cause of loss of millions of dollars.

The following table gives the number and amount of loss resulting from so-called hog cholera during the past five years:

YEAR.	No. of Hogs assessed.	Per cent. died.	No. died.	Average weight.	Value.
1876.....	2,665,935	17+	452,208	103	\$1,577,012
1877.....	2,961,366	12+	358,844	104	1,553,415
1878.....	3,334,920	14+	474,758	108	1,438,589
1879.....	2,799,051	6+	182,577	98	588,487
1880.....	3,133,557	7	227,259	104	937,293
Average.....	2,978,965	12	339,129	103	\$1,224,759

FAT SHEEP.

The last assessment shows the largest number of sheep in the State since 1874. There were 192,939 head of fat sheep marketed in 1880, and this number has not been reached during the past six years. The price obtained the past year per hundred pounds gross, was \$3.40, and excepting 1858, 1861 and 1879 is the lowest on record. The value of fat sheep marketed the past year, exceeds that of the three preceding years. The loss of over twenty-five thousand head of sheep per year, has had much to do with the limited attention given to this profitable industry.

Year.	Number assessed.	Estimated per cent. marketed.	Number fat sheep marketed.	Av. gross wt per head....	Total gross weight.	Value per 100 lbs. gross...	Value fat sheep product.
1856.....	786,433	20	157,286	+90	14,155,740	+33 50	\$495,450
1857.....	760,602	20	152,120	+90	13,690,300	+3 70	506,560
1858.....	760,793	20	152,158	90	13,694,220	2 30	314,967
1859.....	647,334	20	129,467	91	11,791,497	3 80	447,694
1860.....	584,430	20	116,886	95	11,104,170	3 39	366,440
1861.....	731,879	20	146,276	104	15,212,704	3 30	366,439
1862.....	913,024	20	182,605	102	18,625,710	3 90	625,402
1863.....	1,206,625	20	241,325	110	26,575,750	4 95	1,214,012
1864.....	1,606,144	20	321,229	111	35,656,319	5 91	2,107,293
1865.....	2,165,972	20	433,194	+90	38,987,460	5 65	3,202,788
1866.....	2,415,980	20	483,016	104	50,233,664	4 35	2,185,166
1867.....	2,599,998	20	519,999	98	50,959,902	+4 25	2,195,796
1868.....	2,336,716	20	467,343	+90	42,060,870	3 80	1,598,314
1869.....	1,957,513	20	391,513	85	33,278,605	3 85	1,281,226
1870.....	1,434,236	20	286,847	+90	25,816,230	4 19	1,058,464
1871.....	1,073,497	20	214,699	+90	19,322,910	4 40	850,207
1872.....	1,010,475	20	202,095	+90	17,188,550	4 15	754,826
1873.....	1,092,104	20	218,421	+90	19,657,890	4 75	933,750
1874.....	1,036,831	20	207,366	+90	18,962,944	4 40	821,168
1875.....	928,056	20	185,611	+90	16,704,990	4 90	818,545
1876.....	824,854	20	164,971	+90	14,847,390	4 50	668,133
1877.....	777,105	20	155,421	90	13,987,890	4 40	615,467
1878.....	775,757	20	155,151	104	16,135,704	3 80	613,156
1879.....	847,101	20	174,448	98	17,170,381	2 98	513,834
1880.....	964,696	20	192,939	99	19,198,595	3 40	652,465

+ Estimated.

SHEEP KILLED BY DOGS.

It will be seen from the following table, that the loss of sheep by dogs is about three per cent. annually. This loss alone would not interfere with the rapid development of this profitable branch of stock raising were it not for the uncertainty and anxiety that attends the business, and the difficulty in obtaining remuneration for the frequent inroads made upon flocks by worthless curs, that proportionately increase in numbers more rapidly than sheep. There are few lines of business that could be carried on successfully with a loss of three per cent. annually, yet the number of sheep as returned by assessors, has increased the last four years. The amount of the loss from this cause has steadily increased of late years, and was over seventy-five thousand dollars in 1880.

Year.	Number assessed.	Per cent. killed.	Number killed.	Amount of loss.
1876.....	824,854	3*	24,725	\$30,578
1877.....	777,105	3*	26,763	63,752
1878.....	775,757	3-	20,520	43,885
1879.....	846,181	3*	27,338	65,384
1880.....	969,696	3	27,159	76,050

* Fraction over.

VALUE OF LIVE STOCK.

The following table gives the assessed value of Live Stock in the State during the past twenty-five years.

The real value of Horses, Cattle, Mules and Asses, Sheep and Hogs, in May, 1880, is as follows; Horses, \$48,479,968; Cattle, \$39,790,968; Mules and Asses, \$6,932,338; Sheep, \$2,593,644; Hogs, \$9,600,728, a total of \$107,237,646.

The valuation of stock by the State Board of Equalization the past year is on a 50 per cent. valuation, and that value the above figures has been increased 50 per cent. to the real value,

ASSESSED VALUE LIVE STOCK.

Year.	Horses	Cattle.	Mules & Asses	Sheep.	Hogs.
1856.....	\$23,118,584	\$15,572,065	\$1,437,186	\$ 940,034	\$3,375,247
1857.....	25,434,171	16,171,830	1,969,284	881,126	4,032,588
1858.....	23,680,592	44,442,821	1,867,371	806,455	3,482,116
1859.....	21,404,351	12,371,600	1,740,307	682,082	2,495,042
1860.....	22,359,202	12,468,537	1,848,291	695,035	2,745,915
1861.....	21,064,138	11,494,803	1,708,530	747,437	4,032,874
1862.....	19,893,415	11,032,662	1,400,900	982,285	3,198,807
1863.....	21,714,620	12,699,732	1,501,634	1,910,654	3,294,729
1864.....	25,148,408	13,709,418	1,722,809	2,876,696	2,799,158
1864.....	28,055,559	14,285,863	2,267,194	3,953,102	3,359,621
1865.....	27,364,215	13,279,620	2,523,772	3,283,595	4,474,354
1866.....	32,625,865	17,179,165	3,132,537	3,512,590	5,230,731
1867.....	29,025,015	15,810,830	3,240,789	2,337,896	3,692,869
1868.....	27,702,942	15,497,350	3,217,789	1,612,472	3,929,832
1869.....	25,081,419	14,555,331	2,886,677	994,610	4,114,108
1870.....	23,986,565	14,694,415	2,822,148	732,254	4,613,529
1871.....	23,450,717	14,778,925	2,714,571	1,024,468	4,060,736
1872.....	48,855,005	35,776,899	5,823,662	2,135,593	11,279,720
1873.....	42,549,570	31,928,374	5,419,724	1,676,090	8,972,402
1874.....	37,813,706	28,323,950	5,346,698	1,399,397	8,157,128
1875.....	34,332,380	24,827,932	5,016,723	1,185,736	8,934,673
1876.....	31,054,628	21,677,643	4,692,969	1,008,054	7,580,920
1877.....	26,817,560	19,861,633	4,077,147	893,036	4,991,285
1878.....	23,624,921	18,893,811	3,498,111	930,607	3,812,328
1879.....	24,239,984	19,895,484	3,461,169	1,246,822	4,800,364
1880.....					

AGRICULTURAL STATISTICS.

The great value of the crop statistics of this department mainly consists in their early and prompt appearance during the growing season, and immediately after harvest, when the information as to condition and yield is most needed to enable the producer and legitimate dealer to decide as to the supply and value of the crop.

The last official acreage of crops, as reported by assessors, is used as a basis for applying the estimate of crop correspondents as to the area and yield of the growing crops, as it is not to be expected that the estimates of correspondents will more than closely approximate the assessed return reported the year following.

The estimates of correspondents, with few exceptions, have been below the returns of assessors made the succeeding year, and, during the last four years, the reports, when compared with the assessment, have confirmed the superior judgment and careful observations made by correspondents, who are farmers of experience and standing, and largely interested in the accuracy of the returns, and, as a rule, are inclined to the side of conservatism,

BASIS FOR ESTIMATING ACREAGE, CONDITION, ETC.

It will be observed that the number 100 is used to estimate the acreage of the crop of 1880, with which the acreage of the present crop is compared; also, a fair average yield, and a fair average vitality and growth, unaffected by storms, insects and contingencies; an increase of one-tenth or ten per cent., is recorded 110; a decrease of 5 per cent. is marked 95, etc.

Respectfully submitted,

S. D. FISHER,
Secretary.

INDEX.

CROPS.

	PAGE.
Corn.....	2, 16, 17
Wheat.....	3, 18, 19
Rye.....	5, 18, 19
Pastures.....	20, 21
Irish Potatoes.....	5, 24, 25
Orchards.....	22, 23
Sorghum.....	26, 27
Acres in Cultivation.....	7, 9, 10, 11
Prices of Crops.....	12, 13, 14, 15
Value Farm Crops.....	6, 40, 41, 42, 43
Profits Per Acre.....	77
Agricultural Statistics.....	81

LIVE STOCK.

Improved Stock.....	8
Fat Cattle.....	30, 31, 78
Fat Hogs.....	28, 29, 79
Hogs Died from Cholera.....	34, 35
Fat Sheep.....	32, 33, 80
Sheep Killed by Dogs.....	36, 37, 80
Value Live Stock.....	38, 39, 81

METEOROLOGY.

Season.....	1
August, 1880.....	46, 47
September, ".....	48, 49
October, ".....	50, 51
November, ".....	52, 53
December, ".....	54, 55
Summary, ".....	45, 56

MISCELLANEOUS.

List Crop Correspondents..	72
Correspondents' Remarks.....	57

PREMIUM LIST
FOR THE
TWENTY-EIGHTH ANNUAL
ILLINOIS STATE FAIR

TO BE HELD AT
SPRINGFIELD, SEPT. 27--OCT. 2.

1880

*ALSO FAT STOCK SHOW AT EXPOSITION BUILDING, CHICAGO,
NOV. 15-20, AND THE WINTER MEETING OF THE
STATE BOARD OF AGRICULTURE.*

COMPETITION OPEN TO THE WORLD.

READ THE RULES AND REGULATIONS.

Bring this List with you to the Fair.

 ENTRIES MAY BE MADE BY LETTER AFTER AUGUST 15TH, AT SPRINGFIELD.

SPRINGFIELD:
H. W. ROKKER, PRINTER AND BINDER.

1880.





28TH ANNUAL ILLINOIS STATE FAIR,

1880.

The Illinois State Fair for 1880, as in 1879, will be held at Springfield, the Capital of the State. Springfield is so centrally located, and is so well known as being easy of access from all parts of the State, that it may seem unnecessary to call attention to the net-work of railroads radiating from this point to all sections of this and adjoining States.

The most liberal inducements have been extended by the several railroads to visitors and exhibitors, as will be seen by the railroad arrangements on another page, and we are assured that the transportation facilities will be sufficient to meet all demands.

The Springfield Fair Grounds, situated just north of the city, are large and attractive, and the improvements substantial and ornamental, and equal in every respect to the best in the State.

The Grounds are within a few steps of the Chicago & St. Louis railroad, and the Springfield & Northwestern railroad. The Citizens' Street Railway and Oak Ridge Horse Railway run cars from the centre of the city to the Fair Grounds.

The Chicago & St. Louis railroad on the west side, and the Springfield & Northwestern railroad from the east side of the city, will run special trains to the Fair Grounds every half hour, in addition to the regular trains.

The facilities for obtaining water are unsurpassed, the main from the City Water Works running the entire length of the Grounds, and water is distributed to all parts of it by a system of pipes with hydrants at convenient distances.

Hotels and boarding houses will charge only regular rates, and their capacity and superior accommodations are not excelled by any city in the State (Chicago excepted). Persons preferring the quiet of a home, will find a committee to direct them to private families prepared to entertain them at reasonable rates.

To such as desire to attend the Fair and camp out during the same, suitable places will be assigned, free of cost, by applying to the Superintendent of Grounds.

Springfield presents many attractions to strangers, and the low railroad rates will enable people from all portions of the west to attend the Fair, and examine some of the numerous objects of interest in the Capital City. Among the nearest to the Fair Grounds might be named: President Lincoln's Monument, at Oak Ridge Cemetery, which is one of the most expensive, elaborate and artistic monuments in America. The Illinois Watch Company, manufacturers of the celebrated Springfield Watches, employ over two hundred operators, and turn out over one hundred watches per day. The Springfield Iron Company's Works, with a daily capacity of over two hundred and twenty-five tons of railroad iron, merchant iron, splice bars, bolts and nuts, with a full force of employees, numbering nine hundred men, will present a sight of much interest to all not familiar with such an extensive establishment.

The new State Capitol building, which is not excelled in architectural design, elegance or commodiousness by any in the United States.

The citizens of Springfield are noted for their energy, enterprise and hospitality, and can be depended upon in promoting the success of the State Fair, and in providing most creditably for visitors while in attendance at the Fair.

The Premium List has been carefully revised, both for the Fair and Winter Meeting, 1881. The attention of Agricultural Boards and Horticultural Associations is particularly invited to the liberal premiums offered for *displays* at the Winter Meeting.

Editors and reporters will report to the Superintendent of the Press Department, who will extend the usual courtesies, and assist them in gaining such information as will be of interest to the public.

The regular biennial election for members of the State Board, will be held on Wednesday, September 29, on the Fair Grounds. At this election each county is entitled to three votes, to be cast by delegates to be chosen by the County, Union or District Agricultural Board, where one exists, otherwise by the Board of Supervisors or County Board, as the case may be.

Free Lectures will be given during the week by writers of recognized ability. For full particulars see programme.

A cordial invitation to attend this Fair is extended to representatives of kindred State organizations, and they are requested to report themselves to the President, that they may receive suitable attention.

A package of this Premium List will be sent for distribution to each Agricultural Board and Society in the State. In counties having no Agricultural Organization, the Lists will be sent to the County Clerks for distribution.

A Show of Fat Stock will be held in the Exposition Building, Chicago, November 15-20, 1880, under the auspices of the Board. See List of Prizes published herewith.

Copies of the List may be had upon personal application to any member of the Board, or by addressing the undersigned, at Springfield.

Please keep your Premium List, and take it with you to the Fair.

S. D. FISHER,
Secretary State Board of Agriculture.

LIST OF COUNTIES

COMPRISING CONGRESSIONAL DISTRICTS IN ILLINOIS.

FIRST DISTRICT—The First, Second, Third, Fourth, Fifth, Sixth and Seventh wards of the City of Chicago, the towns of Hyde Park, Lake, Lyons, Riverside, Lemont, Palos, Worth, Calumet, Orland, Bremen, Thornton, Rich and Bloom, in Cook county, and the county of DuPage.

SECOND DISTRICT—The Eighth, Ninth, Tenth, Eleventh, Twelfth, Thirteenth, Fourteenth and Fifteenth wards of the City of Chicago.

THIRD DISTRICT—The Sixteenth, Seventeenth, Eighteenth, Nineteenth and Twentieth wards of the City of Chicago, the towns of Cicero, Proviso, Jefferson, Leyden, Lake View, Evanston, Niles, Maine, Elk Grove, Schaumburg, Hanover, Barrington, Palestine, Wheeling, Northfield and New Trier, in the county of Cook, and the county of Lake.

FOURTH DISTRICT—Kane, DeKalb, McHenry, Boone and Winnebago.

FIFTH DISTRICT—Stephenson, Jo Daviess, Carroll, Whiteside and Ogle.

SIXTH DISTRICT—Lee, Bureau, Putnam, Henry and Rock Island.

SEVENTH DISTRICT—LaSalle, Kendall, Grundy and Will.

EIGHTH DISTRICT—Kankakee, Iroquois, Ford, Livingston, Woodford and Marshall.

NINTH DISTRICT—Stark, Peoria, Knox and Fulton.

TENTH DISTRICT—Mercer, Henderson, Warren, Hancock, McDonough and Schuyler.

ELEVENTH DISTRICT—Adams, Brown, Pike, Calhoun, Green and Jersey.

TWELFTH DISTRICT—Scott, Morgan, Cass, Menard, Sangamon and Christian.

THIRTEENTH DISTRICT—Mason, Tazewell, McLean, Logan and DeWitt.

FOURTEENTH DISTRICT—Macon, Piatt, Champaign, Douglas, Coles and Vermilion.

FIFTEENTH DISTRICT—Edgar, Clark, Cumberland, Moultrie, Shelby, Effingham, Jasper, Crawford and Lawrence.

SIXTEENTH DISTRICT—Montgomery, Fayette, Bond, Clinton, Washington, Marion and Clay.

SEVENTEENTH DISTRICT—Macoupin, Madison, St. Clair and Monroe.

EIGHTEENTH DISTRICT—Randolph, Perry, Jackson, Union, Williamson, Johnson, Pope, Massac, Pulaski and Alexander.

NINETEENTH DISTRICT—Richland, Wayne, Edwards, Wabash, Jefferson, Franklin, Hamilton, White, Saline, Gallatin and Hardin.

MEMBERS

OF THE

ILLINOIS STATE BOARD OF AGRICULTURE,

FOR 1879-80.

<i>President</i>	J. R. SCOTT.....	Champaign
<i>Ex-President</i>	D. B. GILLHAM.....	Alton
<i>Secretary</i>	S. D. FISHER.....	Springfield
<i>Treasurer</i>	JOHN W. BUNN.....	Springfield

VICE-PRESIDENTS.

1st Dist—Lewis Ellsworth.....	Naperville	11th Dist—David E. Beaty.....	Jerseyville
2d “ H. D. Emery.....	Chicago	12th “ J. M. Epler.....	Virginia
3d “ John P. Reynolds.....	Chicago	13th “ Wm. M. Smith.....	Lexington
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5th “ J. L. Moore.....	Polo	15th “ E. H. Bishop.....	Effingham
6th “ Samuel Dysart.....	Franklin Grove	16th “ B. Pullen.....	Centralia
7th “ Charles Snoad.....	Joliet	17th “ M. T. Stookey.....	Belleville
8th “ Emory Cobb.....	Kankakee	18th “ James M. Washburn.....	Carterville
9th “ D. W. Vittum, Jr.....	Canton	19th “ John Landrigan.....	Albion
10th “ Samuel Douglas.....	Monmouth		

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Class A—Cattle.....	Mr. Dysart
Class B—Horses and Equestrianism.....	Mr. Landrigan
Class C—Sheep.....	Mr. Vittum
Class D—Swine.....	Mr. Voorhies
Class E—Poultry.....	Mr. Emery
Class F—Mechanics.....	Mr. Epler
Class G—Farm Products.....	Mr. Douglas
Class H—Horticulture.....	Mr. Haskell
Class I—Fine and Liberal Arts.....	Mr. Pullen
Class K—Textile Fabrics.....	Mr. Reynolds
Class L—Natural History.....	Mr. Bishop
Class M—Speed.....	Mr. Reynolds
Class N—Education.....	Mr. Cobb
Marshal of the Ring.....	Mr. Beaty
General Superintendent.....	Mr. Stookey
Superintendent of Forage and Stalls.....	Mr. Moore
Superintendent of Press Department.....	Mr. Emery
Reception Committee.....	Messrs. Scott, Gillham, Reynolds, Smith and Cobb
Auditing Committee.....	Messrs. Ellsworth, Washburn and Snoad
Committee of Arrangements.....	Messrs. Scott, Gillham, Reynolds, Beaty, Cobb, Dysart, Smith, Haskell, Vittum, Stookey and Fisher.
Committee on Crop Reports.....	Messrs. Scott, Haskell and Fisher
Committee on Printing.....	Messrs. Scott, Moore, Reynolds and Fisher
Committee on Finance.....	Messrs. Cobb, Stookey, Bishop, Smith and Beaty
Committee on Museum.....	Messrs. Scott, Reynolds and Fisher
Committee on Library.....	Messrs. Emery, Haskell and Fisher
Committee on Transportation.....	Messrs. Scott, Gillham, Haskell, Cobb, Smith and Fisher
Jury on Pedigrees.....	Class A..... Messrs. Smith, Cobb and Dysart
	Class B..... Messrs. Landrigan, Beaty and Reynolds

GENERAL RULES AND REGULATIONS

FOR THE FAIR OF 1880.

1. The Fair Grounds will be open for the reception of articles, except stock, on the twenty-third day of September, and they may be shipped to the care of the General Superintendent; but in no case will such articles be brought upon the Grounds and placed on exhibition, except by and at the expense of the owner, or his authorized agent.

2. Exhibitors of Implements and Machinery are requested to ship such articles as are intended for exhibition as early as possible, so as to give ample time for transportation.

ENTRIES.

1. May be made at the Secretary's office, in Springfield, up to Saturday, the twenty-fifth day of September, or at any time previous, by addressing the Secretary, at Springfield. Blank applications will be furnished on which to specify exhibitor's name and address, with description of the animal or article offered.

2. Each exhibitor must purchase a *Season Ticket* before making entries—a firm being regarded as one exhibitor. Only one member of the firm will be admitted to the Grounds on the ticket which entitles the firm to compete.

3. Articles which are the result of mechanical or artistic skill, must be entered by the artist, inventor, manufacturer, or authorized agent, and to all objects of Fine Arts the name of the artist must be affixed.

4. Articles which are the products of the soil, must be entered in the name of the producer of the same.

5. Every animal must be entered for competition in the name of the owners (except when sires are shown with their get), but such names shall not appear on the entry card.

6. On the entry of each animal or article, a card will be furnished the exhibitor, specifying the class, the number of the lot and the number of the entry: which card must remain attached to the article or animal during the exhibition, except Classes C, D and E, where the cards shall be attached to the pen or coop.

7. No animal or article will be entitled to a place on the Grounds until the entry shall have been made as above, except in cases of emergency, and then at the discretion of the Superintendent of Department. Any person who shall enter any head of stock, and occupy a stall or pen therewith, and shall fail in good faith to show the same in the class entered, shall be liable to a fine of not less than \$5.00, nor more than \$25.00; and the stock so entered shall not be removed from the Grounds until such fine is paid. The Superintendents of Forage and of Classes A, B, C and D, shall be a committee to determine whether such stock shall have been shown in good faith, and their decision shall be final.

8. No entry shall be made after Saturday, September 25th, at 6 p. m., unless in case of unavoidable detention, and then only on certificate of the Superintendent of the Department.

9. Cattle and horses must have been owned by the party in whose name they are exhibited for at least thirty days before exhibition; and satisfactory proof of such ownership must be furnished the awarding committee if required.

10. *All statements and pedigrees required, must be presented to the Secretary at the time of making entry.*

11. A single animal may be exhibited as one of a herd or pair, and in sweepstakes in his class; but shall not otherwise be entered in more than one lot.

12. All State and public institutions shall be allowed to exhibit, but shall not be permitted to compete for premiums other than in sweepstakes.

13. Exhibitors will at all times give the necessary personal attention to whatever they may have on exhibition, and at the close of the Fair take entire charge of the same. The hour of closing will be announced by the Marshal of the Ring.

14. Diligence will be used by the Officers of the Board to prevent injury to, or loss of animals or articles on exhibition; but the Board will not be responsible for any damage or loss that may occur.

AWARDING COMMITTEES.

1. Copies of this Premium List will be sent to the Secretary of each County, Union or District Agricultural Board in this State, and to each member of the Awarding Committees.

2. Members of Awarding Committees will report themselves to the Superintendents at their respective departments, at 9 o'clock a. m., of the day fixed for awarding premiums on the lots on which they respectively judge.

3. All awards in Classes A, B, C and D shall be made by ballot, and without consultation.

4. No person shall act as judge in any lot in which he may be an exhibitor, or the agent of an exhibitor.

5. No animal, article or object deemed unworthy, shall be awarded a premium; but no premium shall be withheld merely because there is no competition.

6. Any exhibitor attempting to interfere with the judges during their adjudications, will be promptly excluded from competition.

7. Notice of protest concerning awards must be given to the Superintendent of Department, and a written statement, setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the animal or article is exhibited.

In all cases where protests are entered for improper or malicious purposes, the Board will exclude the party protesting from exhibiting for two years thereafter.

8. Protests against a person serving as a member of an awarding committee, must be submitted to the Superintendent, in writing, and give good and sufficient reasons therefor.

9. Any exhibitor who shall tear off a premium ribbon, or authorize another person to do so, in the presence of the awarding committee, or shall otherwise insult the awarding committee, shall forfeit the premium and be excluded from competition.

10. The judges will report only the animals or articles entitled to premiums in the regular list; except they may especially commend such others as may be deemed worthy of commendation.

11. In case of a tie vote, or failure to obtain a majority vote necessary to an award, the Superintendent shall call in one or more judges, as may be necessary, whose votes shall be confined to the entries having received votes; the animals previously voted for shall be separated from the other stock in the ring, and the premium shall be awarded to the entry first receiving a majority of the votes cast.

12. Symmetry, size, early maturity, and general characteristics of each of the several breeds of animals will be considered, and proper allowance made for age, feeding, and other circumstances.

13. Should any doubt arise as to the regularity of entry, or any other important matter which the committee feel incompetent to decide, they shall at once report the same to the Superintendent of the proper department for decision.

14. Awarding committees are instructed that if they shall have good reason to believe that any exhibitor, by false entry or otherwise, attempts to deceive the committee or the public, and obtain a premium by misrepresentation, they shall report the fact at once to the Superintendent of the Department, who shall immediately instruct the committee that such exhibitor is thenceforth excluded from competition at the Illinois State Fair.

15. Each award (and notice of protest, if any are made,) must be written in a plain, careful manner by the Superintendent, in blank page opposite the entry.

16. The books must be returned by the Superintendent of each Department to the Secretary as soon as the awards in each are completed.

17. No *discretionary premiums* shall be awarded; but articles or animals, which are not included in the regular list, may be recommended, and the recommendation, together with the reason therefor, entered on committees' books, for action of the Board at the January meeting, 1881.

18. Great care must be exercised to preserve the awarding committees' books, and the awards must be entered as above, in a plain, legible manner, in the proper place, as the premiums will be paid on the authority of these entries *only*.

19. Superintendents will be particular to observe the following rules: *Blue Ribbons* are designed for the first premiums; *Red Ribbons* for second premiums; *White Ribbons* for third premiums; which shall be affixed at the time of the awards, on all the animals shown in the ring. Upon all other animals and articles, the several Superintendents shall attach the ribbons to be awarded by their committees, and they are NEVER to be affixed to articles entered as *miscellaneous*. The green and yellow ribbons are designated for miscellaneous articles, for which *no premiums can be awarded*, except by the State Board—the *Green Ribbon* for *highest* commendation, and the *Yellow Ribbon* for *high* commendation.

20. Not less than three members will be appointed as an awarding committee.

21. Decisions of awarding committees will be final, and no appeal will be considered except in case of fraud.

RULES APPLICABLE TO ANIMALS.

1. Exhibitors of animals must place their names and address, and the name of the particular breed to which each animal belongs, and its age, in a conspicuous place in their respective stalls or pens. It is the duty of the Superintendent of Forage and Stalls to see that this rule is enforced.

2. When on exhibition in the ring, each animal must be under halter or bridle, and in charge of the owner or groom.

3. Straw will be furnished at convenient points on the Grounds, without charge; food for stock can be purchased at market rates on the Grounds. For information, apply to the Superintendent of Forage, at his office. Water will be distributed at convenient points.

4. No animal, or article on exhibition, can be removed from the Grounds until the close of the Fair.

5. The age of animals, except as noted, shall be determined from the date advertised for exhibiting the same in the Programme of the Fair.

6. The Superintendents of Classes A, B and C may exclude stock from competition should there be any unnecessary delay on the part of exhibitors in bringing animals into the show ring.

7. Animals affected by or having been exposed to any contagious disease during the thirty days next preceding the Fair of 1880, will be excluded from the grounds.

SUPERINTENDENTS OF DEPARTMENTS.

1. Each Superintendent of a Department will have the selection of his assistants; the arrangement and supervision of all articles or animals on exhibition in his department, and be responsible to the State Board for his management of the same.

2. He will afford the awarding committees every facility for examination; will affix the ribbons under the direction of the committees; shall have charge of the books; and when the awards are finished, return the books to the Secretary.

3. Each Superintendent is expected to exercise great care in preserving and returning the Department books, as upon the entries of awards in them, and upon no other authority, can checks for premiums be drawn.

4. It shall be the duty of each Superintendent of Department to notify the General Superintendent as to the number of policemen required in his department before Sept. 13, 1880.

5. He shall call the attention of awarding committees to the rules and conditions governing awards.

6. It shall also be his duty, at the close of the Fair, to make to the Board a report in detail of his Department, giving the general features of the same as to extent, quality, variety, etc.; and to make such suggestions for improvement as shall occur to him during the Fair.

7. Superintendents of Departments, other than Live Stock, shall use their best efforts to have awards completed not later than Wednesday evening, Sept. 29, 1880.

AUDITING COMMITTEE.

1. The Auditing Committee will have charge of the gates, tickets, permits, and gate police.

2. *All bills against the State Board must be made in detail*; and all bills contracted during the Fair, or in immediate preparation therefor, must be certified by the Superintendent, on whose order the service or material was furnished, and must be approved and signed by a majority of the Auditing Committee, before they can be paid by the Treasurer.

3. The Auditing Committee will sell privileges for dining halls, booths, stands, etc., for the Fair Thursday, August 26, 1880, at 10 o'clock a. m., on the Fair Grounds.

GENERAL SUPERINTENDENT.

1. The General Superintendent will have charge of the Grounds and Police, and that portion of the Amphitheatre assigned to the Press and invited guests, and shall assign such number of policemen to the several Departments as the Superintendents may require.

2. Articles intended for exhibition may be addressed to his care, but will not be brought on the Grounds, except by the owner or his agent.

3. The Superintendent will lend any assistance in his power, by way of information, directions and facilities for reaching the Grounds; though neither he nor the Board will be, under any circumstances, responsible for transportation. He will direct exhibitors to proper Departments on the Grounds, assign places for encampment, and exercise a general supervision, preserving order and decorum. He will see that a proper supply of water for drinking purposes is on the Grounds, and convenient of access; and will take charge of all public sales of stock or other articles during the Fair.

THE SUPERINTENDENT OF STALLS AND FORAGE

Will assign stalls for cattle and horses, provide the necessary supplies of litter and water for stock on exhibition, and see to the proper distribution of the same.

MARSHAL OF THE RING.

1. The Marshal of the Ring will superintend the position and display of animals when brought into the Ring; preserve order, and properly enforce the rules of the Board in the Amphitheatre and Exhibition Ring; announce the awards; and have the care and control of the Amphitheatre, except that portion occupied by the Press, invited guests and music.

2. No person will be allowed in the ring at the time of making the awards, except Awarding Committees, officers of the Board, persons especially invited, and grooms in charge of stock. This rule will be impartially enforced.

3. The Marshal of the Ring will exclude all persons from the immediate vicinity of stock on exhibition in the ring, except the members of the acting Awarding Committees and grooms in charge of the animals.

PAYMENT OF PREMIUMS.

1. Premiums will be paid in cash, except where otherwise noted. The medals will be well executed, appropriately engraved, and will be ready for delivery at the January meeting of the State Board of Agriculture, 1881. Diplomas will be delivered on the Grounds at the close of the Fair.

2. After the awards are made, and the books returned to the Secretary, he will draw, and on application, deliver to those entitled to them, *Checks on the Treasurer*, for the several amounts of cash premiums.

3. These checks must be *endorsed*, as they are payable *to order*—not *to bearer*—and on presentation to the Treasurer, properly endorsed, will be paid as above.

4. Checks for premiums not applied for during Fair week will be forwarded by the Secretary, on receipt of proper instructions, at any time within three months after the award. Those not applied for within that time will be forfeited to the Department of Agriculture.

DESIGNATION OF OFFICERS.

The Officers and Superintendents of Departments will be designated by *ROSETTES*, viz: President, *White*; Secretary, *Blue*; Treasurer, *Yellow*; General Superintendent, *Red*; Superintendents of Departments, *Red and White*; Auditing Committee, *Green*; Ex-President, *Red, White and Blue*; Marshal of the Ring, *Yellow sash*. Assistants will wear ribbons of the same color as heads of Departments to which they are attached.

ADMISSION TO GROUNDS.

1. All persons, whether exhibitors or not, can obtain tickets of admission to the Grounds at the Treasurer's office, near the entrance gate, as follows:

Season Ticket, entitling the purchaser to compete for every premium, and to be admitted to the Grounds during the Fair.....	\$1 50
Ticket admitting one person.....	50
Ticket admitting child under 12 years of age.....	25
Ticket admitting one person on horseback.....	75
Ticket admitting one or two-horse vehicle.....	50
Ticket admitting four-horse vehicle.....	1 00

Each occupant of a vehicle must be provided with an admission ticket.

2. The Auditing Committee will furnish exhibitors with tickets permitting their assistants to remain on the Grounds, but such ticket will not entitle the holder to admission at the gates.

3. A strong and efficient police force, under the direction of the General Superintendent, assisted by a corps of detectives, will be on duty day and night.

4. No person will be permitted to remain on the Grounds over night, excepting those holding complimentary or exhibitors' tickets, season tickets, or permits, unless they have purchased tickets for the next day.

THE PRESS.

1. The Superintendent of this Department will provide editors and reporters with the necessary permits to the Grounds, and will assist them, so far as practicable, to such information regarding the Fair as may be of interest to the public. But no reporter, unless known as such to some member of the Board, or provided with a certificate from the publisher of the paper he claims to represent, shall be entitled to free admission to the Grounds.

REFRESHMENTS.

1. Ample arrangements will be made for victualing all who may attend.

2. Hotels and restaurants have agreed to charge only usual rates during the Fair.

GUESTS.

Delegates from other State Agricultural organizations are cordially invited to attend this Fair, and are respectfully requested to report themselves to the President, that they may receive suitable attention.

LIST OF PREMIUMS

FOR THE FAIR OF 1880.

CLASS A.—Cattle.

SAMUEL DYSART, SUPERINTENDENT.

1. In case of protest, notice must be given to the Superintendent of Department before or during the examination of the animals protested, and a written statement setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the notice is given.
2. Breeding animals, if exhibited as such, must be in breeding condition, and evidence must be produced, if required, that they are breeders, and not barren animals.
3. All cattle must have been owned by the party in whose name they are exhibited for at least 30 days before exhibition; and satisfactory evidence of such ownership must be furnished the Awarding Committee, if required.
4. All applications for entry of thoroughbred cattle must be accompanied with name and age (in years and months) of the animal to be exhibited.
5. Breeding cows must have produced a living calf within two years past.
6. Pedigrees of all thoroughbred animals, in all cases, must be traceable to the American or English Herd Books for the peculiar breeds to which they belong.
7. All awards shall be made by ballot without consultation.
8. The Superintendent may exclude stock from competition, should there be any unnecessary delay on the part of exhibitors in bringing animals into the show ring.

Lot 1--ShortHorns--Thoroughbred

BULLS.

1—Best Bull 3 years old or over	\$25 00
Second best	15 00
2—Best Bull 2 years old and under 3	25 00
Second best	15 00
3—Best Bull 1 year old and under 2	20 00
Second best	10 00
4—Best Bull under 1 year old	15 00
Second best	10 00

COWS AND HEIFERS.

5—Best Cow 4 years old or over	25 00
Second best	15 00
6—Best Cow 3 years old and under 4	25 00
Second best	15 00
7—Best Cow 2 years old and under 3	25 00
Second best	15 00
8—Best Heifer 1 year old and under 2	20 00
Second best	10 00
9—Best Heifer under 1 year old	15 00
Second best	10 00

AWARDING COMMITTEE.

John Wentworth, Chicago, Cook county.
Wm. Hamilton, Carthage, Hancock county.
Wm. Stevenson, Little Indian, Cass Co.
Wm. Robinson, Carrollton, Greene county.
C. W. Webster, Benton, Franklin county.

Lot 2—Short Horns—Thoroughbred Herds.

- 10—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....\$50 00
- BREEDERS' RING.
- 11—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor 50 00

AWARDING COMMITTEE.

Wm. Brown, Berlin, Sangamon county.
J. Tefit, Elgin, Kane county.
John Shorthoes, Danvers, McLean county.
S. S. Brown, Galena, JoDaviess county.
D. H. Gardner, Gardner, Piatt county.

Lot 3—Short Horns—Thoroughbred Sweepstakes.

- 12—Best Bull of any age.....\$50 00
- 13—Best Cow or Heifer of any age..... 50 00

AWARDING COMMITTEE.

A. A. Crane, Osco, Henry county.
James Davis, Shelbyville, Shelby county.
A. A. Francis, New Lenox, Will county.
R. L. Carson, Hoyleton, Washington county.
P. A. Coen, Washburn, Woodford county.

Lot 4—Herefords—Thoroughbred.**BULLS.**

14—Best Bull 3 years old or over.....	\$25 00
Second best.....	15 00
15—Best Bull 2 years old and under 3.....	25 00
Second best.....	15 00
16—Best Bull 1 year old and under 2.....	20 00
Second best.....	10 00
17—Best Bull under 1 year old.....	15 00
Second best.....	10 00

COWS AND HEIFERS.

18—Best Cow 4 years old or over.....	25 00
Second best.....	15 00
19—Best Cow 3 years old and under 4.....	25 00
Second best.....	15 00
20—Best Heifer 2 years old and under 3.....	25 00
Second best.....	15 00
21—Best Heifer 1 year old and under 2.....	20 00
Second best.....	10 00
22—Best Heifer under 1 year old.....	15 00
Second best.....	10 00

AWARDING COMMITTEE.

Henry Seiter, Lebanon, St. Clair county.
D. H. Gorham, Avon, Fulton county.
Philip V. Field, Golconda, Pope county.
Mr. Proudfit, McLeansboro, Hamilton county.
Charles Stalp, Eola, DuPage county.

Lot 5—Herefords—Thoroughbred—Herds.

23—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....	\$50 00
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BREEDERS' RING.

24—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor.....	50 00
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AWARDING COMMITTEE.

H. J. Streator, Aledo, Mercer county.
Thos. Ponting, Stonington, Christian county.
John I. Saylor, Mt. Sterling, Brown county.
C. M. Culbertson, Chicago, Cook county.
James M. Stout, Auburn, Sangamon county.

Lot 6—Herefords—Thoroughbred—Sweepstakes.

25—Best Bull of any age.....	\$50 00
26—Best Cow or Heifer of any age.....	50 00

AWARDING COMMITTEE.

Ashley Knapp, Burritt, Winnebago county.
D. R. Trotter, Fairbury, Livingston county.
R. A. Logan, Morrison, Whiteside county.
Thos. Taylor, Blue Mound, Macon county.
Isaac H. Norris, Lamolille, Bureau county.

Lot 7—Devons—Thoroughbreds.**BULLS.**

27—Best Bull 3 years old or over.....	\$25 00
Second best.....	15 00
28—Best Bull 2 years old and under 3.....	25 00
Second best.....	15 00
29—Best Bull 1 year old and under 2.....	20 00
Second best.....	10 00
30—Best Bull under 1 year old.....	15 00
Second best.....	10 00

COWS AND HEIFERS.

31—Best Cow 4 years old or over.....	25 00
Second best.....	15 00
32—Best Cow 3 years old and under 4.....	25 00
Second best.....	15 00
33—Best Heifer 2 years old and under 3.....	25 00
Second best.....	15 00
34—Best Heifer 1 year old and under 2.....	20 00
Second best.....	10 00
35—Best Heifer under 1 year old.....	15 00
Second best.....	10 00

AWARDING COMMITTEE.

Wm. Blackburn, Paris, Edgar county.
Samuel Holderman, Morris, Grundy county.
Samuel Burnside, Carlyle, Clinton county.
Wm. Noel, Paxton, Ford county.
J. R. Miller, Caseyville, St. Clair county.

Lot 8—Devons—Thoroughbred—Herds.

36—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....	\$50 00
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BREEDERS' RING.

37—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor.....	50 00
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AWARDING COMMITTEE.

Joseph D. Rhyder, Toulon, Stark county.
John Blanchard, Golconda, Pope county.
Joseph Wood, Jr., Albion, Edwards county.
Luther Bartlett, Bartlett, DuPage county.
Henry Huston, Rushville, Schuyler county.

Lot 9—Devons—Thoroughbred—Sweepstakes.

38—Best Bull of any age.....	\$50 00
39—Best Cow or Heifer of any age.....	50 00

AWARDING COMMITTEE.

Jonathan Periam, Irving Park, Cook county.
B. F. Dorsey, Perry, Pike county.
D. C. May, Rochelle, Ogle county.
Frank Orear, Jacksonville, Morgan county.
W. A. Pratt, Elgin, Kane county.

Lot 10—Polled Angus—Thoroughbred.**BULLS.**

40—Best Bull 3 years old or over.....	\$25 00
Second best.....	15 00
41—Best Bull 2 years old and under 3.....	25 00
Second best.....	15 00
42—Best Bull 1 year old and under 2.....	20 00
Second best.....	10 00
43—Best Bull under 1 year old.....	15 00
Second best.....	10 00

COWS AND HEIFERS.

44—Best Cow 4 years old or over.....	25 00
Second best.....	15 00
45—Best Cow 3 years old and under 4.....	25 00
Second best.....	15 00
46—Best Heifer 2 years old and under 3.....	25 00
Second best.....	15 00
47—Best Heifer 1 year old and under 2.....	20 00
Second best.....	10 00
48—Best Heifer under 1 year old.....	15 00
Second best.....	10 00

AWARDING COMMITTEE.

Jonathan Meriam, Atlanta, Logan county.
J. D. Davis, Davis Junction, Ogle county.
A. H. Yoakum, Bement, Piatt county.
J. W. Hopkins, Granville, Putnam county.
W. O. Powell, Kansas, Edgar county.

Lot 11—Polled Angus—Thoroughbred—Herds.

49—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....\$50 00

BREEDERS' RING.

50—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor 50 00

AWARDING COMMITTEE.

Henry Shirrell, Lisbon, Kendall county.
Joseph Mosser, Salem, Marion county.
J. C. Ramsey, Onarga, Iroquois county.
John Tunnell, Plainview, Macoupin county.
R. H. Whiting, Peoria, Peoria county.

Lot 12—Polled Angus—Thoroughbred—Sweepstakes.

51—Best Bull of any age.....\$50 00
52—Best Cow or Heifer of any age 50 00

AWARDING COMMITTEE.

Samuel M. Glassford, Vienna Johnson county.
Thomas Bothreel, Clay City, Clay county.
Wm. King, Naperville, DuPage county.
C. N. Dennis, Hamilton, Hancock county.
A. Farr, Springfield, Sangamon county.

Lot 13—Holsteins—Thoroughbred.

BULLS.

53—Best Bull 3 years old or over..... \$25 00
 Second best 15 00
54—Best Bull 2 years old and under 3..... 25 00
 Second best 15 00
55—Best Bull 1 year old and under 2..... 20 00
 Second best 10 00
56—Best Bull under 1 year old 15 00
 Second best 10 00

COWS AND HEIFERS.

57—Best Cow 4 years old or over..... 25 00
 Second best 15 00
58—Best Cow 3 years old and under 4..... 25 00
 Second best 15 00
59—Best Heifer 2 years old and under 3..... 25 00
 Second best 15 00
60—Best Heifer 1 year old and under 2..... 20 00
 Second best 10 00
61—Best Heifer under 1 year old 15 00
 Second best 10 00

AWARDING COMMITTEE.

Lewis Strickler, Camp Point, Adams county.
B. F. Johnson, Champaign Champaign county.
B. F. Montgomery, Petersburg, Menard county.
R. M. Patrick, Marengo, McHenry county.
W. P. Franklin, Lexington, McLean county.

Lot 14—Holsteins—Thoroughbred—Herds.

62—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....\$50 00

BREEDERS' RING.

63—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor\$50 00

AWARDING COMMITTEE.

Joseph Moore, Plum River, JoDaviess county.
Samuel Van Meter, Loxa, Coles county.
R. S. Montgomery, Reynolds, Rock Island Co.
J. L. Crews, Montrose, Effingham county.
Joel Armstrong, Ottawa, LaSalle county.

Lot 15—Holsteins—Thoroughbred—Sweepstakes.

64—Best Bull of any age\$50 0
65—Best Cow or Heifer of any age 50 00

AWARDING COMMITTEE.

M. J. O. Hornett, Carlyle, Clinton county.
A. B. Chapman, Kankakee, Kankakee county.
David Gore, Carlinville, Macoupin county.
J. H. Lewis, Knoxville, Knox county.
N. S. Casey, Mound City, Pulaski county.

Lot 16—Jerseys—Thoroughbred.

BULLS.

66—Best Bull 3 years old or over.....\$25 00
 Second best 15 00
67—Best Bull 2 years old and under 3..... 25 00
 Second best 15 00
68—Best Bull 1 year old and under 2..... 20 00
 Second best 10 00
69—Best Bull under 1 year old 15 00
 Second best 10 00

COWS AND HEIFERS.

70—Best Cow 4 years old or over.....\$25 00
 Second best 15 00
71—Best Cow 3 years old and under 4..... 25 00
 Second best 15 00
72—Best Heifer 2 years old and under 3..... 25 00
 Second best 15 00
73—Best Heifer 1 year old and under 2..... 20 00
 Second best 10 00
74—Best Heifer Calf under 1 year old 15 00
 Second best 10 00

AWARDING COMMITTEE.

J. R. Moss, Mt. Vernon, Jefferson county.
Thos. Lyman, Downer's Grove, DuPage Co.
A. P. Petrie, New Windsor, Mercer county.
C. H. Atkins, Chicago, Cook county.
Lee Scott, Jerseyville, Jersey county.

Lot 17—Jerseys—Thoroughbred—Herds.

75—Best Bull and 5 Cows or Heifers 1 year old or over, owned by one individual or previously existing firm.....\$50 00

BREEDERS' RING.

76—Best 5 Cattle, male or female, over 1 year old, bred and owned by the exhibitor 50 00

AWARDING COMMITTEE.

Geo. W. Wrenn, Highland Park, Cook county.
A. G. Epler, Virginia, Cass county.
Samuel Alden, Sycamore, DeKalb county.
S. M. Jones, Towanda, McLean county.
C. L. Hostetter, Mt. Carroll, Carroll county.

Lot 18—Jerseys—Thoroughbred— Sweepstakes.

- 77—Best Bull of any age.....\$5000
78—Best Cow or Heifer of any age 50 00

AWARDING COMMITTEE.

W. J. Brown, Decatur, Macon county.
John C. Jacobs, Amboy, Lee county.
J. Buchanan, Lawrenceville, Lawrence Co.
L. E. Ingalls, Joliet, Will county.
N. Dresser, Greenville, Bond county.

Lot 19—Ayrshire—Thoroughbred.

BULLS.

- 79—Best Bull 3 years old or over. \$25 00
 Second best 15 00
80—Best Bull 2 years old and under 3 25 00
 Second best 15 00
81—Best Bull 1 year old and under 2..... 20 00
 Second best 10 00
82—Best Bull under 1 year old..... 15 00
 Second best 10 00

COWS AND HEIFERS.

- 83—Best Cow 4 years old or over. 25 00
 Second best 15 00
84—Best Cow 3 years old and under 4..... 25 00
 Second best 15 00
85—Best Heifer 2 years old and under 3..... 25 00
 Second best 15 00
86—Best Heifer 1 year old and under 2..... 20 00
 Second best 10 00
87—Best Heifer Calf under 1 year old..... 15 00
 Second best 10 00

AWARDING COMMITTEE.

N. Eldred, Gilman, Iroquois county.
Jonathan Miles, Miles Station, Macoupin Co.
Seldon Wood, Avon, Fulton county.
W. S. Washburn, Marion, Williamson county.
James Shinn, Springfield, Sangamon, county.

Lot 20—Ayrshires—Thoroughbred— Herds.

- 88—Best Bull and 5 Cows or Heifers 1 year
old or over, owned by one individual
or previously existing firm\$50 00

BREEDERS' RING.

- 89—Best 5 Cattle, male or female, over 1
year old, bred and owned by the ex-
hibitor 50 00

AWARDING COMMITTEE.

W. K. Patrick, Lombard, DuPage county.
Samuel McElhaney, Biggsville, Henderson Co.
H. E. Gardner, Bradfordton, Sangamon Co.
J. F. Simpson, Carrollton, Greene county.
Ransom Day, Springfield, Sangamon county.

Lot 21—Ayrshires—Thoroughbred— Sweepstakes.

- 90—Best Bull of any age.....\$50 00
91—Best Cow or Heifer of any age..... 50 00

AWARDING COMMITTEE.

Milton Riggs, Riggston, Scott county.
James Lake, Rockford, Winnebago county.
G. W. Patten, Delavan, Tazewell county.
Morris Dyshir, Lanark, Carroll county.
John P. Henry, Arcola, Douglas county.

CLASS B.—Horses, Jacks and Mules.

JOHN LANDRIGAN, SUPERINTENDENT.

1. In case of protest, notice must be given to the Superintendent of the Department before or during the examination of the animal protested, and a written statement setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the notice is given.
2. The same animal being otherwise eligible under the rules, may be entered and shown as one of a pair or herd, and in sweepstakes in his or her class, but shall not otherwise be entered in more than one lot.
3. All horses must have been owned by the party in whose name they are exhibited for at least thirty days before exhibition; and satisfactory proof of such ownership must be furnished the Awarding Committee, if required.
4. The age of horses and foals will be reckoned from January 1st. All foals will be considered one year old on the 1st of January succeeding birth.
5. All awards shall be made by ballot without consultation.
6. The Superintendent may exclude stock from competition should there be any unnecessary delay on the part of exhibitors in bringing animals into the show ring.

H O R S E S .

Lot 22—Thoroughbred.

Pedigree to be presented the Secretary when application for Entry is made.

This lot embraces ONLY those animals whose pedigrees are traceable in FULL to Bruce, Wallace, or English Stud Book.

STALLIONS.

92—Best Stallion 4 years old or over	\$25 00
Second best	15 00
93—Best Stallion 3 years old and under 4....	20 00
Second best	10 00
94—Best Stallion 2 years old and under 3....	20 00
Second best	10 00
95—Best Stallion 1 year old and under 2....	15 00
Second best	10 00
96—Best Stallion Colt under 1 year old.....	15 00
Second best	10 00

MARES.

97—Best Mare 4 years old or over	\$25 00
Second best	15 00
98—Best Mare 3 years old and under 4....	20 00
Second best	10 00
99—Best Mare 2 years old and under 3....	20 00
Second best	10 00
100—Best Mare 1 year old and under 2....	15 00
Second best	10 00
101—Best Mare Colt under 1 year old	15 00
Second best	10 00

BREEDING RING.

102—Best Brood Mare, to be shown with two of her colts under 2 years of age, 30 00	
103—Stallion showing best 5 sucking foals of either sex	50 00

• AWARDING COMMITTEE.

S. W. Wheelock, Moline, Rock Island county.
J. N. Groves, Altamont, Effingham county.
E. C. Lewis, Ottawa, LaSalle county.
W. H. Russell, Lost Creek, Clinton county.
Geo. B. Gray, Pontiac, Livingston county.

Lot 23—Thoroughbreds—Sweepstakes.

104—Best Stallion of any age—to bridle.....	\$50 00
105—Best Mare of any age—to bridle.....	50 00

AWARDING COMMITTEE.

J. W. Drury, Waterloo, Monroe county.
H. Colwell, Essex, Stark county.
E. L. Denison, Marion, Williamson county.
Thos. Alback, Richview, Washington county.
David N. Gross, Naperville DuPage county.

Lot 24—Roadsters.

Embracing all strains of horses especially designed for the road—style and action to be the test.

STALLIONS.

106—Best Stallion 4 years old or over—to harness.....	\$25 00
Second best	15 00
107—Best Stallion 3 years old and under 4—to harness.....	20 00
Second best	10 00
108—Best Stallion 2 years old and under 3, 20 00	
Second best	10 00
109—Best Stallion 1 year old and under 2, 15 00	
Second best	10 00
110—Best Stallion Colt under 1 year old... 15 00	
Second best	10 00

MARES.

111—Best Mare 4 years old or over—to harness.....	25 00
Second best	15 00
112—Best Mare 3 years old and under 4—to harness.....	20 00
Second best	10 00
113—Best Mare 2 years old and under 3.... 20 00	
Second best.....	10 00

114—Best Mare 1 year old and under 2.....	15 00
Second best	10 00
115—Best Mare Colt under 1 year old	15 00
Second best	10 00

BREEDING RING.

116—Best Brood Mare, to be shown with two of her colts under 2 years of age...	30 00
117—Stallion showing best 5 sucking foals of either sex.....	50 00

AWARDING COMMITTEE.

Samuel Hutchinson, Monmouth, Warren county.

James Stinson, Chicago, Cook county.

John H. Lamb, Jerseyville, Jersey county.

James H. Dole, Chicago, Cook county.

Robert Hall, Virginia, Cass county.

Lot 25—Roadsters—Sweepstakes.

Stallions shall have been in the stud and made a regular season the present year—style, harness, blood and breeding qualities shall be considered in making the award.

118—Best Roadster Stallion of any age— to harness	\$100 00
119—Best Roadster Mare of any age—to harness.....	50 00

AWARDING COMMITTEE.

Wm. Phelps, Holcomb, Ogle county.

James A. Wilson, Clinton, DeWitt county.

J. H. Cartright, Oregon, Ogle county.

Oscar Mansfield, Mansfield, Piatt county.

N. B. Gould, Cambridge, Henry county.

Lot 26—Horses for All Work.

Grades of Thoroughbred or Roadster Stallions.

STALLIONS.

120—Best Stallion 4 years old or over.....	\$25 00
Second best	15 00
121—Best Stallion 3 years old and under 4,	20 00
Second best.....	10 00
122—Best Stallion 2 years old and under 3,	20 00
Second best.....	10 00
123—Best Stallion 1 year old and under 2,	15 00
Second best	10 00
124—Best Stallion Colt under 1 year old ...	15 00
Second best.....	10 00

MARES.

125—Best Mare 4 years old or over	25 00
Second best	15 00
126—Best Mare 3 years old and under 4... ..	20 00
Second best	10 00
127—Best Mare 2 years old and under 3... ..	20 00
Second best	10 00
128—Best Mare 1 year old and under 2.....	15 00
Second best	10 00
129—Best Mare Colt under 1 year old	15 00
Second best.....	10 00

BREEDING RING.

130—Best Brood Mare, to be shown with two of her colts under 2 years of age,	30 00
131—Stallion showing best 5 sucking foals of either sex	50 00

AWARDING COMMITTEE.

Wm. Updyke, Robinson, Crawford county.

John Sitsey, Plattville, Kendall county.

W. H. M. Johnson, Centralia, Marion county.

Samuel Brown, Wenona, Marshall county.

C. A. Monck, Belleville, St. Clair county.

Lot 27—Horses for All Work—Sweepstakes.

Grades of Thoroughbred or Roadster Stallions.

132—Best Stallion of any age.	\$50 00
133—Best Mare of any age.....	50 00

AWARDING COMMITTEE.

O. C. Parmely, Peoria, Peoria county.

Wm. H. Greene, Cairo, Alexander county.

John McConnell, Rome, Jefferson county.

G. I. Atchison, Turner Junction, DuPage Co.

Robert Gilson, Biggsville, Henderson county.

Lot 28—French Draft Horses.

Percheron, Norman and other French Draft breeds—Imported or Full Blood.

STALLIONS.

134—Best Stallion 4 years old or over.....	\$25 00
Second best	15 00
135—Best Stallion 3 years old and under 4,	20 00
Second best	10 00
136—Best Stallion 2 years old and under 3,	20 00
Second best	10 00
137—Best Stallion 1 year old and under 2.	15 00
Second best	10 00
138—Best Stallion Colt under 1 year old ..	15 00
Second best	10 00

MARES.

139—Best Mare 4 years old or over.....	25 00
Second best	15 00
140—Best Mare 3 years old and under 4....	20 00
Second best	10 00
141—Best Mare 2 years old and under 3.....	20 00
Second best	10 00
142—Best Mare 1 year old and under 2....	15 00
Second best	10 00
143—Best Mare Colt under 1 year old.....	15 00
Second best	10 00

BREEDING RING.

144—Best Brood Mare, to be shown with two of her colts under 2 years of age.	30 00
145—Stallion showing best 5 sucking foals of either sex.....	50 00

AWARDING COMMITTEE.

H. Babcock, Onarga, Iroquois county.

A. R. Wallace, Clayton, Adams county.

J. H. Wetherell, 101 Washington st., Chicago, Cook county.

Gershom Keys, Pana, Christian county.

A. Bourne, Woodstock, McHenry county.

Lot 29—French Draft Horses—Sweepstakes.

Percheron, Norman and other French Draft breeds—Imported or Full Blood.

146—Best Draft Stallion of any age—to bridle	\$50 00
147—Best Draft Mare of any age—to bridle ..	50 00

AWARDING COMMITTEE.

Joseph Ream, Lincoln, Logan county.

Duncan Mackay, Mt. Carroll, Carroll county.

A. W. Hardy, Decatur, Macon county.

Wm. P. Buswell, Neponset, Bureau county.

W. O. Wilson, Paris, Edgar county.

Lot 30—English Draft Horses.

Clydesdale and other English Draft breeds—
Imported or Full Blood.

STALLIONS.

143—Best Stallion 4 years old or over.....	\$25 00
Second best	15 00
149—Best Stallion 3 years old and under 4	20 00
Second best	10 00
150—Best Stallion 2 years old and under 3	20 00
Second best	10 00
151—Best Stallion 1 year old and under 2	15 00
Second best	10 00
152—Best Stallion Colt under 1 year old.....	15 00
Second best	10 00

MARES.

153—Best Mare 4 years old or over	25 00
Second best	15 00
154—Best Mare 3 years old and under 4.....	20 00
Second best	10 00
155—Best Mare 2 years old and under 3.....	20 00
Second best	10 00
156—Best Mare 1 year old and under 2	15 00
Second best	10 00
157—Best Mare Colt under 1 year old.....	15 00
Second best	10 00

BREEDING RING.

158—Best Brood Mare, to be shown with two of her colts, under 2 years of age.	30 00
159—Stallion showing best 5 sucking foals of either sex.....	50 00

AWARDING COMMITTEE.

Aaron Harford, Vernon, Grundy county.
J. B. Crowder, Litchfield, Montgomery county.
S. B. Burchard, Kankakee, Kankakee county.
Jas. A. Bomman, Belleville, St. Clair county.
J. H. Quinn, Goshen, Stark county.

**Lot 31—English Draft Horses.
Sweepstakes.**

Clydesdale and other English Draft breeds—
Imported or Full Blood.

160—Best Draft Stallion of any age—to bridle	\$50 00
161—Best Draft Mare of any age—to bridle, ..	50 00

AWARDING COMMITTEE.

John Boyd, Pinckneyville, Perry county.
G. N. Roundy, Turner Junction, DuPage Co.
David Rankin, Biggsville, Henderson county.
J. H. Sanders, Chicago, Cook county.
Geo. Pickrell, Wheatfield, Sangamon county.

Lot 32—Draft Team.

162—Best Team Draft Horses, to consist of pair of Mares, or pair of Geldings, to be shown to Farm Wagon	\$40 00
Second best	20 00

AWARDING COMMITTEE.

Mr. French, Milton, Pike county.
H. Mills, Salem, Marion county.
W. H. Thompson, Jacksonville, Morgan Co.
E. C. Lawrence, Belvidere, Boone county.
Wilson Richmond, Armington, Tazewell Co.

**Lot 33—Horses for Agricultural
Purposes.**

Grades of Draft Stallions.

STALLIONS.

163—Best Stallion 4 years old or over.....	\$25 00
Second best	15 00
164—Best Stallion 3 years old and under 4	20 00
Second best	10 00
165—Best Stallion 2 years old and under 3	20 00
Second best	10 00
166—Best Stallion 1 year old and under 2	15 00
Second best	10 00
167—Best Stallion Colt under 1 year	15 00
Second best	10 00

MARES.

168—Best Mare 4 years old or over	25 00
Second best	15 00
169—Best Mare 3 years old and under 4.....	20 00
Second best	10 00
170—Best Mare 2 years old and under 3.....	20 00
Second best	10 00
171—Best Mare 1 year old and under 2	15 00
Second best	10 00
172—Best Mare Colt under 1 year old	15 00
Second best	10 00

BREEDING RING.

173—Best Brood Mare, to be shown with two of her colts, under 2 years of age.	30 00
174—Stallion showing best 5 sucking foals, of either sex.....	50 00

AWARDING COMMITTEE.

S. J. Davis, Davis, Stephenson county.
Jonathan Gains, Indianola, Vermillion county.
H. J. Swindler, Granville, Putnam county.
John Mason, Newton, Jasper county.
James L. Owen, Mokena, Will county.

**Lot 34—Sweepstakes—Horses for Ag-
ricultural Purposes.**

Grades of Draft Stallions.

175—Best Stallion of any age.....	\$50 00
176—Best Mare of any age.....	50 00

AWARDING COMMITTEE.

T. Bothwell, Clay City, Clay county.
John H. Jones, Milford, Iroquois county.
A. F. Rogers, Upper Alton, Madison county.
Inman Blackaby, Civer, Fulton county.
John J. McBride, Chester, Randolph county.

Lot 35—Saddle Horses.

(To be exhibited under the Saddle).

STALLIONS.

177—Best Saddle Stallion 4 years old or over.....	\$20 00
Second best.....	10 00
178—Best Saddle Stallion under 4 years old.....	20 00
Second best.....	10 00

MARES.

179—Best Saddle Mare 4 years old or over.....	\$20 00
Second best.....	10 00
180—Best Saddle Mare under 4 years old..	20 00
Second best.....	10 00

GELDINGS.

181—Best Saddle Gelding 4 years old or over	\$20 00
Second best.....	10 00
182—Best Saddle Gelding under 4 years old.....	20 00
Second best.....	10 00

AWARDING COMMITTEE.

O. J. Stough, Hinsdale, DuPage county.
 Jesse Marshall, Monmouth, Warren county.
 H. T. Heim, Chicago, Cook county.
 W. H. Fulkerson, Jerseyville, Jersey county.

Lot 36—Carriage Horses.

183—Best Carriage Team—Shown to carriage or buggy.....	\$40 00
Second best.....	20 00
184—Best Family Mare or Gelding, to be driven to buggy.....	20 00
Second best.....	10 00

AWARDING COMMITTEE.

J. Irving Pearce, Chicago, Cook county.
 E. W. Bennett, Mechanicsburg, Sangamon Co.
 H. H. Evans, Aurora, Kane county.
 J. A. Critchfield, Broadwell, Logan county.
 E. L. Cronkite, Freeport, Stephenson county,

Lot 37—Gentlemen's Driving Horses.

The Committee in making their awards, will consider style, speed and action.

185—Best pair of Mares—to pole.....	\$40 00
Second best.....	20 00
186—Best pair Geldings—to pole.....	40 00
Second best.....	20 00
187—Best single Stallion—to harness.....	40 00
Second best.....	20 00
188—Best single Mare—to harness.....	30 00
Second best.....	15 00
189—Best single Gelding—to harness.....	30 00
Second best.....	15 00

AWARDING COMMITTEE.

I. F. Williams, Monticello, Piatt county.
 H. D. Dement, Dixon, Lee county.
 J. E. Eden, Sullivan, Moultrie county.
 H. F. Gorham, Morris, Grundy county.
 Wm. Tipton, Odin, Marion county.

Lot 38—Jacks, Jennets and Mules.

[The Awarding Committee in lots 36 and 37 are instructed to award no premiums to aged animals less than 14 hands high, unless for superior merit.]

JACKS.

190—Best Jack 4 years old or over.....	\$25 00
Second best.....	15 00
191—Best Jack 3 years old and under 4....	25 00
Second best.....	15 00
192—Best Jack 2 years old and under 3....	20 00
Second best.....	15 00
193—Best Jack 1 years old and under 2....	15 00
Second best.....	10 00
194—Best Jack Sucking Colt.....	10 00
Second best.....	5 00

JENNETS.

195—Best Jennet 3 years old or over.....	\$20 00
Second best.....	15 00
196—Best Jennet 2 years old and under 3,	15 00
Second best.....	10 00
197—Best Jennet 1 year old and under 2,	10 00
Second best.....	5 00
198—Best Jennet Sucking Colt.....	10 00
Second best.....	5 00

MULES.

199—Best mule 3 years old or over.....	15 00
Second best.....	10 00
200—Best 2 year old mule.....	15 00
Second best.....	10 00
201—Best 1 year old Mule.....	15 00
Second best.....	10 00
202—Best Sucking Mule.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

Bailey Gower, Odell, Livingston county.
 Jonathan Miles, Miles Station, Macoupin Co.
 J. B. Hatch, Avon, Fulton county.
 A. K. McCabe, Shawneetown, Gallatin Co.
 J. R. McAfee, Coulterville, Randolph county.

Lot 39—Sweepstakes for Jacks and Jennets.

203—Best Jack of any age, shown with not less than three Mules of his get.....	\$50 00
204—Best Jennet of any age, to be shown with two of her colts.....	25 00
205—Best team of Mules 3 years old or over to be shown to Farm Wagon.....	25 00
Second best.....	15 00

AWARDING COMMITTEE.

A. B. Curtis, Curtis, DuPage county.
 W. H. Holly, Springfield, Sangamon county.
 John McConnell, Mt. Vernon, Jefferson Co.
 Hugh Martin, Little York, Warren county.
 Judge Reeves, Greenfield, Greene county.

Lot 40—Equestrianism.

BOY'S RIDING.

To boy, not over 14 years old, displaying the best horsemanship in the saddle.

206—1st premium.....	\$10 00
2d ".....	5 00
3d ".....	3 00
4th ".....	2 00
5th ".....	1 00

AWARDING COMMITTEE.

James W. Judy, Tallula, Menard county.
 M. C. Town, Harvard, McHenry county.
 R. B. Latham, Lincoln, Logan county.
 A. A. Terrill, Sterling, Whiteside county.
 S. H. Busey, Urbana, Champaign county.

CLASS C---Sheep.

D. W. VITTUM, JR., SUPERINTENDENT.

1. In case of protest, notice must be given to the Superintendent of the Department before or during the examination of the animal protested; and a written statement, setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the notice is given.

2. Awarding Committees in Class C—Sheep—are expressly instructed that it is their duty in every case to require from each exhibitor in lots for pure breeds, satisfactory evidence of purity of breeding, as claimed; and each Committee, when awarding a premium in any such lot, will be understood to say by such award that, in their opinion, the animal receiving a premium is, beyond a reasonable doubt, purely bred, as claimed. They are further instructed that if they shall have good reason to believe that any exhibitor, by false entry or otherwise, attempts to deceive the Committee, or the public, and obtain a premium by misrepresentation, they shall report the fact at once to the Superintendent of Class C—who shall immediately instruct the Committee that such exhibitor is thenceforth excluded from competition at this Fair.

3. Stubble-shorn Sheep will be excluded from competition.

4. All Sheep must have been properly sheared on or after the first day of April, 1880.

5. All awards shall be by ballot without consultation.

6. The Superintendent may exclude stock from competition should there be any unnecessary delay on the part of exhibitors in bringing animals into the show ring.

FLEECES.

7. All wool must be unwashed and have been grown the property of the exhibitor, who shall certify, in writing, the date of shearing, the age of the fleece in days, and the line of breeding, age sex and weight of animal immediately preceding shearing.

8. Awards will be determined by the value of the wool with reference to those purposes of manufacture for which it may be best adapted—the Committee on awards taking into account, strength, evenness of fibre, length, weight, lustre, general condition, skill displayed in shearing and subsequent handling.

9. Samples from each fleece, not exceeding one-half pound weight, will be retained by the Board for exhibition in the State Agricultural Museum.

PURE BRED LONG WOOLS.

Lot 41—Cotswold.

RAMS.

207—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
208—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
209—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

210—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
211—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
212—Best Ewe lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

N. C. Gilbert, Geneseo, Henry county.
L. D. Robinson, Martinsville, Clark county.
L. H. Scofield, Lisbon, Kendall county.
O. B. Nichols, Carlyle, Clinton county.
F. T. Putt, Paxton, Ford county.

Lot 42—Sweepstakes—Cotswold.

213—Best Ram of any age.....	\$20 00
214—Best Ewe of any age.....	15 00
215—Best Ram and 5 Ewes over 2 years old.....	20 00
216—Best Ram with 5 of his get under 2 years old, of either sex, to be owned and bred by exhibitor.....	20 00

AWARDING COMMITTEE.

J. M. Whitaker, Summerfield, St. Clair county.
Thomas Oliver, Elmira, Stark county.
Asa Harmon, Anna, Union county.
P. O. Brien, Liste, Du Page county.

Lot 43—Leicester or Lincoln.

RAMS.

217—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
218—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
219—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

220—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
221—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
222—Best Ewe Lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

W. A. Wilson, New Windsor, Mercer county.
 R. C. Allen, Harriestown, Macon county.
 I. M. Hambough, Versailles, Brown county.
 John Turnbull, Elmira, Stark county.
 W. C. Kincaid, Sweetwater, Menard county.

Lot 44—Sweepstakes—Leicester or Lincoln.

223—Best Ram of any age.....	\$20 00
224—Best Ewe of any age.....	15 00
225—Best Ram and 5 Ewes over 2 years old.....	20 00
226—Best Ram with 5 of his get under 2 years old, of either sex, to be owned and bred by exhibiter.....	20 00

AWARDING COMMITTEE.

F. W. Belden, Kanesville, Kane county.
 J. T. Didlake, Towanda, McLean county.
 Monroe Bailey, Thompson, Whiteside county.
 E. N. Connelly, Westfield, Coles county.
 David B. Moore, Granville, Putnam county.

PURE BRED MIDDLE WOOLS.**Lot 45—South Downs.**

RAMS.

227—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
228—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
229—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

230—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
231—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
232—Best Ewe Lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

John Turner, Shelbyville, Shelby county.
 Abner Strawn, Ottawa, LaSalle county.
 Francis Dresser, Cotton Wood Grove, Bond county.
 C. Perry, Evans, Marshall county.
 Joseph E. Miller, Bellville, St. Clair county.

Lot 46—Sweepstakes—South Down.

233—Best Ram of any age.....	\$20 00
234—Best Ewe of any age.....	15 00
235—Best Ram and 5 Ewes over 2 years old.....	20 00
236—Best Ram with 5 of his get under 2 years old, of either sex, to be owned and bred by the exhibiter.....	20 00

AWARDING COMMITTEE.

S. S. Miller, Fairview, Fulton county.
 John Bolin, Duquoin, Perry county.
 Miles Jackson, Turner Junction, DuPage Co.
 F. M. Jameson, Sagetown, Henderson county.

Lot 47—Shropshire Down, Hampshire Down, and other Pure Bred Middle Wools.

RAMS.

237—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
238—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
239—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

240—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
241—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
242—Best Ewe Lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

Moses Wentworth, Chicago, Cook county.
 Geo. L. Burruss, Carrollton, Greene county.
 J. M. Thomas, Wyoming, Starke county.
 R. R. Stevenson, Little Indian, Cass county.
 W. C. Vandercook, Cherry Valley, Winnebago county.

Lot 48—Sweepstakes—Shropshire Down, Etc.

243—Best Ram of any age.....	\$20 00
244—Best Ewe of any age.....	15 00
245—Best Ram and 5 Ewes over 2 years old.....	20 00
246—Best Ram with 5 of his get, under 2 years old, of either sex, to be owned and bred by the exhibiter.....	20 00

AWARDING COMMITTEE.

L. D. Hartzel, Bloomington, McLean county.
 Robert Anderson, Polo, Ogle county.
 Charles Thompson, Monticello, Piatt county.
 Joseph Morrison, Princeton, Bureau county.
 John Arthur, Paris, Edgar county.

PURE BRED FINE WOOLS.**Lot 49—American Merino.**

RAMS.

247—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
248—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
249—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

250—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
251—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
252—Best Ewe Lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

E. E. Gorham, Hadley, Wil county.
 W. D. Watson, Iola, Clay county.
 Wesley Cooper, Kankakee, Kankakee county.
 Wm. Gray, Moro, Madison county.
 Nelson Burnham, Peoria, Peoria county.

Lot 50—Sweepstakes—American Merino.

253—Best Ram of any age.....	\$20 00
254—Best Ewe of any age.....	15 00
255—Best Ram and 5 Ewes over 2 years old.....	20 00
256—Best Ram with 5 of his get, under 2 years old, of either sex, to be owned and bred by the exhibiter.....	20 00

AWARDING COMMITTEE.

James S. McConnell, Chatham, Sangamon Co.
S. P. Mace, Percy, Randolph county.
Graham Lee, Hamlet, Mercer county
Carlos Barber, Wheaton, DuPage county.

Lot 51—French Merino, Silesian Merino, and other Pure Bred Fine Wools.

RAMS.

257—Best Ram 2 years old or over.....	\$20 00
Second best.....	10 00
258—Best Ram 1 year old and under 2.....	15 00
Second best.....	10 00
259—Best Ram Lamb under 1 year old.....	10 00
Second best.....	5 00

EWES.

260—Best Ewe 2 years old or over.....	20 00
Second best.....	10 00
261—Best Ewe 1 year old and under 2.....	15 00
Second best.....	10 00
262—Best Ewe Lamb under 1 year old.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

Robert Bell, Brighton, Macoupin county.
Daniel Kelly, Wheaton, DuPage county.
A. E. Lawton, Owaneco, Christian county.
F. W. Warren, Roscoe, Winnebago county.
A. B. Nicholson, Lincoln, Logan county.

Lot 52—Sweepstakes—French Merino, Etc.

263—Best Ram of any age.....	\$20 00
264—Best Ewe of any age.....	15 00
265—Best Ram and 5 Ewes over 2 years old.....	20 00
266—Best Ram with 5 of his get, under 2 years old, of either sex, to be owned and bred by the exhibiter.....	20 00

AWARDING COMMITTEE.

C. H. Rosensteil, Freeport, Stephenson Co.
John E. Cooper, Danville, Vermillion county.
L. W. Beal, Port Byron, Rock Island Co.
J. L. Gilmore, Edgewood, Effingham county.
M. Spencer, Joliet, Will county.

Lot 53—Fleeces.

LONG WOOL.

267—Best 12 months fleeces from Sheep over 2 years old.....	Diploma.
268—Best Fleece from Sheep under 2 years old.....	Diploma.

MIDDLE WOOL.

269—Best 12 months Fleece from Sheep over 2 years old.....	Diploma.
270—Best Fleece from Sheep under 2 years old.....	Diploma.

FINE WOOL.

271—Best 12 months Fleece from Sheep over 2 years old.....	Diploma.
272—Best Fleece from Sheep under 2 years old.....	Diploma.

AWARDING COMMITTEE.

M. B. Saddler, Centralia, Marion county.
Robert Caldwell, Sheldon, Iroquois county.
J. T. Capps, Springfield, Sangamon county.
Winfield Scott, Toulon, Stark county.
Philip Kimmell, Murphysboro, Jackson Co.

CLASS D.—Swine.

Wk. VOORHIES, JR., SUPERINTENDENT.

1. In case of protest notice must be given to the Superintendent of Department before or during examination of the animal protested; and a written statement setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the notice is given.

2. Awarding Committees in Class D—Swine—are expressly instructed that it is their duty, in every case to require from each exhibitor in lots for *pure breeds*, satisfactory evidence of purity of breeding, as claimed; and each Committee, when awarding a premium in any such lot, will be understood to say, by such award, that, in their opinion, the animal receiving a premium is, beyond a reasonable doubt, purely bred, as claimed. They are further instructed that if they shall have good reason to believe that any exhibitor, by false entry or otherwise, attempts to deceive the Committee or the public, and obtain a premium by misrepresentation, they shall report the fact at once to the Superintendent of Class D, who shall immediately instruct the Committee that such exhibitor is thenceforth excluded from competition at this Fair.

3. No Committeeman, having passed judgment on an animal in its regular lot or ring, shall be eligible to serve on Committee in Sweepstakes Ring where the same animal is shown.

4. Swine in the Berkshire Class will not be recognized as eligible to entry, unless they trace to animals recorded in the American Berkshire Record, or the exhibitor furnish in writing, at time of entry, equally satisfactory evidence as to purity of breeding.

5. All awards shall be made by ballot without consultation.

Lot 54—Berkshire.

BOARS.

273—Best Boar 2 years old or over.....	\$20 00
Second best.....	10 00
274—Best Boar 1 year old and under 2.....	20 00
Second best.....	10 00
275—Best Boar under 1 year.....	15 00
Second best.....	10 00

SOWS.

276—Best Sow two years old or over.....	20 00
Second best.....	10 00
277—Best Sow 1 year old and under 2.....	20 00
Second best.....	10 00
278—Best under 1 year.....	15 00
Second best.....	10 00

BREEDERS' RINGS.

279—Best Sow with litter of her own pigs, not less than 5, under 6 months old.....	20 00
Second best.....	10 00
280—Best pen of Breeding hogs, to consist of 1 Boar and 4 Sows over 1 year owned by the exhibitor.....	25 00
281—Best 5 head of swine of any age, the get of 1 Boar, the sire to be shown with the pen and considered in making the award.....	20 00

AWARDING COMMITTEE

H. W. Knickerbocker, Naperville, DuPage co.
J. H. McDougal, Biggsville, Henderson co.
L. T. Clark, Onarga, Iroquois county.
Curtis Brace, Kane, Green county.

Lot 55—Sweepstakes—Berkshire.

282—Best Boar of any age.....	\$20 00
283—Best Sow of any age.....	20 00

AWARDING COMMITTEE.

George M. Caldwell, Williamsville, Sangamon county.
Samuel Deweese, Alexander, Morgan county.
Edwin Waite, Sycamore, DeKalb county.
A. H. Jones, Havana, Mason county.
Thomas Hicks, Warren, Jo Daviess county.

Lot 56—Poland China.

BOARS.

284—Best Boar 2 years old or over.....	\$20 00
Second best.....	10 00
285—Best Boar 1 year old and under 2.....	20 00
Second best.....	10 00
286—Best Boar under 1 year.....	15 00
Second best.....	10 00

SOWS.

287—Best Sow 2 years old or over.....	\$20 00
Second best.....	10 00
288—Best Sow 1 year old and under 2.....	20 00
Second best.....	10 00
289—Best Sow under 1 year.....	15 00
Second best.....	10 00

BREEDERS' RINGS.

290—Best Sow with litter of her own pigs, not less than 5, under 6 months old....	20 00
Second best.....	10 00

- 291—Best pen of breeding hogs, to consist of 1 Boar and 4 Sows, over 1 year old, owned by the exhibiter..... 25 00
 292—Best 5 head of swine of any age, the get of one Boar, the sire to be shown with the pen, and considered in making the award..... 20 00

AWARDING COMMITTEE.

B. F. Atkins, Monticello, Piatt county.
 John S. Long, Lynn, Henry county.
 A. J. Revells, Flat Rock, Crawford county.
 Wm. Stephens, Newark, Kendall county.
 H. C. Barnes, Virden, Maconpin county.

Lot 57—Sweepstakes—Poland China.

- 293—Best Boar of any age.....\$20 00
 294—Best Sow of any age..... 20 00

AWARDING COMMITTEE.

H. D. Worcester, Momence, Kankakee co.
 James H. Scott, Shiloh, St. Clair co.
 J. S. Newman, West Jersey, Stark co.
 Henry Ward, DuQuoin, Perry co.

Lot 58—Chester White.

BOARS.

- 295—Best Boar 2 years old or over.....\$20 00
 Second best..... 10 00
 296—Best Boar 1 year old and under 2..... 20 00
 Second best..... 10 00
 297—Best Boar under 1 year..... 15 00
 Second best..... 10 00

SOWS.

- 298—Best Sow 2 years old or over..... 20 00
 Second best..... 10 00
 299—Best Sow 1 year old and under 2..... 20 00
 Second best..... 10 00
 300—Best Sow under 1 year..... 15 00
 Second best..... 10 00

BREEDERS' RINGS.

- 301—Best Sow with litter of her own pigs, not less than 5, under 6 months old... 20 00
 Second best..... 10 00
 302—Best pen of breeding hogs, to consist of 1 Boar and 4 Sows, over one year old, owned by the exhibiter..... 25 00
 303—Best 5 head of swine of any age, the get of one Boar, the sire to be shown with the pen, and considered in making the award..... 20 00

AWARDING COMMITTEE.

John Haight, Naperville, DuPage county.
 I. L. Piggott, Hamilton, Hancock county.
 E. H. Robb, Waynesville, DeWitt county.
 W. Squire, Hardin, Calhoun county.
 Wm. L. Wright, Elida, Winnebago county.

Lot 59—Sweepstakes—Chester White.

- 304—Best Boar of any age.....\$20 00
 305—Best Sow of any age..... 20 00

AWARDING COMMITTEE.

John Highmore, Rochester, Sangamon Co.
 John Griffith, Batavia, Kane county.
 J. C. Murphy, Green Valley, Tazewell co.
 I. S. Taggart, Ridott, Stephenson county.
 Alonzo Stearns, Fairmont, Vermilion co.

Lot 60.

BOARS.

- 306—Best Boar 2 years old or over.....\$20 00
 Second best..... 10 00
 307—Best Boar 1 year old and under 2..... 20 00
 Second best..... 10 00
 308—Best Boar under 1 year..... 15 00
 Second best..... 10 00

SOWS.

- 309—Best Sow 2 years old or over..... 20 00
 Second best..... 10 00
 310—Best Sow 1 year old and under 2..... 20 00
 Second best..... 10 00
 311—Best Sow under 1 year..... 15 00
 Second best..... 10 00

BREEDERS' RINGS.

- 312—Best Sow with litter of her own pigs, not less than 5, under 6 months old.... 20 00
 Second best..... 10 00
 313—Best pen of breeding hogs, to consist of 1 Boar and 4 Sows, over one year old, owned by the exhibiter..... 25 00
 314—Best 5 head of swine of any age, the get of one Boar, the sire to be shown with the pen, and considered in making award..... 20 00

AWARDING COMMITTEE.

John Crossman, Van Orin, Bureau county.
 F. R. Augustus, Paris, Edgar county.
 G. W. Booth, Gardner, Grundy county.
 J. B. Smith, Clay City, Clay county.
 John Augustine, Pontiac, Livingston co.

Lot 61—Sweepstakes—Essex.

- 315—Best Boar of any age..... \$20 00
 316—Best Sow of any age..... 20 00

AWARDING COMMITTEE.

James Gillham, Brighton, Maconpin county.
 James Keutcher, Prairie City, McDonough county.
 Joseph H. Cully, De Soto, Jackson county.
 J. L. Connelly, Harriestown, Macon county.
 Horace Perkins, Naperville, DuPage county.

Lot 62—Small Yorkshire.

BOARS.

- 317—Best Boar 2 years old or over.....\$20 00
 Second best..... 10 00
 318—Best Boar 1 year old and under 2.....20 00
 Second best..... 10 00
 319—Best Boar under 1 year..... 15 00
 Second best..... 10 00

SOWS.

- 320—Best Sow 2 years old or over..... 20 00
 Second best..... 10 00

321—Best Sow 1 year old and under 2.....	20 00
Second best.....	10 00
322—Best Sow under 1 year.....	15 00
Second best.....	10 00

BREEDERS' RINGS.

323—Best Sow with litter of her own sucking pigs, not less than 5, under 6 months old.....	20 00
Second best.....	10 00
324—Best pen of breeding hogs, to consist of 1 Boar and 4 Sows, owned by the exhibiter.....	25 00
325—Best 5 head of swine of any age, the get of one boar, the sire to be shown with the pen, and considered in mak- ing the award.....	20 00

AWARDING COMMITTEE.

Isaac Bliss, Warsaw, Hancock county.
David Gore, Carlinville, Macoupin county.
K. K. Jones, Quincy, Adams county.
John Upton, Springfield, Sangamon county.
James W. Boston, Jacksonville, Morgan co.

**Lot 63—Sweepstakes—Small York-
shire.**

326—Best Boar of any age.....	\$20 00
327—Best Sow of any age.....	20 00

AWARDING COMMITTEE.

Luke Teeple, Belvidere, Boone county.
Wells Corey, Mason City, Mason county.
C. C. Buell, Rock Falls, Whiteside county.
Mark Custer, Homer, Champaign county.
J. E. Babcock, Hampton, Rock Island co.

Lot 64—Other Distinct Breeds.

328—Best show of swine of any distinct breed not named in the premium list, the show to include one boar and not less than five sows of any age.....	\$25 00
Second best.....	15 00
Third best.....	10 00

AWARDING COMMITTEE.

Lewis Brookheart, Majority Point, Cumber-
land county.
A. C. McIntire, Mendota, LaSalle county.
John R. Zanner, Louisville, Clay county.
N. Moore, Wenona, Marshall county.
T. W. L. Belke, Bethalto, Madison county.

CLASS E.—Poultry.

H. D. EMERY, SUPERINTENDENT.

1. Poultry showing any symptoms of disease upon their arrival will be excluded from exhibition.
2. Stock must be entered in the name of the actual owner. Blanks for entry can be obtained on application to the Secretary.
3. All entries shall be in pairs, unless otherwise noted.
4. No stock can be removed from exhibition until the close of the Fair, except by the written consent of the Superintendent of the Poultry Department, whose consent will be given only when required for sanitary reasons.
5. The vitality of all eggs laid during the exhibition shall be destroyed, unless taken by the owners.
6. The American standard of excellence shall be the main guide for the Judges.
7. The awards shall be made known only through the Superintendent of the Department, who will place the proper ribbons on each winning coop.
8. The term "fowl," "chick," etc., are thus defined: Fowl—a bird hatched prior to 1880; Chick—a bird hatched during 1880; Cock—a male bird hatched prior to 1880; Cockerel—a male bird hatched during 1880; Hen—a female bird hatched prior to 1880; Pullet—a female bird hatched during 1880.
9. Exhibitors desiring to dispose of their stock will inform the Superintendent of the fact, who will attach a price card to the coop.
10. Committee will award no premium on birds scoring less than 80 points by the American standard of excellence, or on fowls or birds improperly classed.
11. Coops must be furnished by exhibitors and should be of the following dimensions: For Turkeys and Geese, 3½ feet high, 3 feet wide, 4 feet long. Fowls, 28 inches high, 20 inches wide, and 30 inches long.

Lot 65—Asiatic.

329—Best pair of Light Brahmas—fowls.....	\$3 00
Second best.....	2 00
330—Best pair Light Brahmas—chicks.....	3 00
Second best.....	2 00
331—Best pair Dark Brahmas—fowls.....	3 00
Second best.....	2 00
332—Best pair Dark Brahmas—chicks.....	3 00
Second best.....	2 00
333—Best pair Buff Cochins—fowls.....	3 00
Second best.....	2 00
334—Best pair Buff Cochins—chicks.....	3 00
Second best.....	2 00
335—Best pair Patridge Cochins—fowls.....	3 00
Second best.....	2 00
336—Best pair Patridge Cochins—chicks.....	3 00
Second best.....	2 00
337—Best pair White Cochins—fowls.....	3 00
Second best.....	2 00
338—Best pair White Cochins—chicks.....	3 00
Second best.....	2 00
339—Best pair Black Cochins.....	3 00
Second best.....	2 00
340—Best pair Black Cochins—chicks.....	3 00
Second best.....	2 00
341—Best pair Pea-Comb Patridge Cochins—fowls.....	3 00
Second best.....	2 00
342—Best pair Pea-Comb Patridge Cochins—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

J. L. Rynearson, Knoxville, Knox county.
 N. D. Huggins, Peoria, Peoria county.
 I. R. Haggard, Downers Grove, DuPage Co.
 B. R. Hampton, Macomb, McDonough county,
 C. W. Heaton, Elmwood, Peoria county.

Lot 66—Dorking, Dominique, Plymouth Rock.

343—Best pair Silver Gray—fowls.....	\$3 00
Second best.....	2 00
344—Best pair Silver Gray—chicks.....	3 00
Second best.....	2 00
345—Best pair White—fowls.....	3 00
Second best.....	2 00
346—Best pair White—chicks.....	3 00
Second best.....	2 00
347—Best pair Colored—fowls.....	3 00
Second best.....	2 00
348—Best pair Colored—chicks.....	3 00
Second best.....	2 00
349—Best pair American Dominiques—fowls.....	3 00
Second best.....	2 00
350—Best pair American Dominiques—chicks.....	3 00
Second best.....	2 00
351—Best pair Plymouth Rocks—fowls.....	3 00
Second best.....	2 00
352—Best pair Plymouth Rocks—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

George Butler, Oak Park, Cook county.
 H. Wykoff, Jerseyville, Jersey county.
 J. K. Reader, Auburn, Sangamon county.
 John McHenry, Virginia, Cass county.
 J. H. Hummel, Sandwich, DeKalb county.

Lot 67—Spanish.

353—Best pair Black Spanish (white face)—fowls.....	\$3 00
Second best.....	2 00

354—Best pair Black Spanish—chicks.....	3 00
Second best.....	2 00
355—Best pair White Leghorn—fowls.....	3 00
Second best.....	2 00
356—Best pair White Leghorn—chicks.....	3 00
Second best.....	2 00
357—Best pair Brown Leghorn—fowls.....	3 00
Second best.....	2 00
358—Best pair Brown Leghorn—chicks.....	3 00
Second best.....	2 00
359—Best pair Dominique Leghorn—fowls.....	3 00
Second best.....	2 00
360—Best pair Dominique Leghorn—chicks.....	3 00
Second best.....	2 00
361—Best pair Black Leghorn—fowls.....	3 00
Second best.....	2 00
362—Best pair Black Leghorn—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

John I Boyden, Lincoln, Logan county.
J. Brown Taylor, Freeport, Stephenson Co.
F. A. Jones, Bement, Piatt county.
David Knight, Princeton, Bureau county.
J. R. Archer, Marshall, Clark county.

Lot 68—Hamburgs.

363—Best pair Golden-Penciled—fowls.....	\$3 00
Second best.....	2 00
364—Best pair Golden-Penciled—chicks.....	3 00
Second best.....	2 00
365—Best pair Silver-Penciled—fowls.....	3 00
Second best.....	2 00
366—Best pair Silver-Penciled—chicks.....	3 00
Second best.....	2 00
367—Best pair Golden-Spangled—fowls.....	3 00
Second best.....	2 00
368—Best pair Golden-Spangled—chicks.....	3 00
Second best.....	2 00
369—Best pair Silver-Spangled—fowls.....	3 00
Second best.....	2 00
370—Best pair Silver Spangled—chicks.....	3 00
Second best.....	2 00
371—Best pair Black—fowls.....	3 00
Second best.....	2 00
372—Best pair Black—chicks.....	3 00
Second best.....	2 00
373—Best pair White—fowls.....	3 00
Second best.....	2 00
374—Best pair White—chicks.....	3 00
Second best.....	2 00

C. E. Kerchival, Joliet, Will county.
W. M. Donnell, Greenville, Bond county.
W. W. Sawyer, Paxton, Ford county.
Geo. W. Tindall, Upper Alton, Madison Co.
James Nowlan, Toulon, Stark county.

Lot 69—Polish.

375—Best pair Golden-Spangled—fowls.....	\$3 00
Second best.....	2 00
376—Best pair Golden-Spangled—chicks.....	3 00
Second best.....	2 00
377—Best pair Silver-Spangled—fowls.....	3 00
Second best.....	2 00
378—Best pair Silver-Spangled—chicks.....	3 00
Second best.....	2 00
379—Best pair White-Crested Black—fowls.....	3 00
Second best.....	2 00
380—Best pair White-Crested Black—chicks.....	3 00
Second best.....	2 00
381—Best pair Sultan—fowls.....	3 00
Second best.....	2 00

382—Best pair Sultan—chicks.....	3 00
Second best.....	2 00
383—Best pair White—fowls.....	3 00
Second best.....	2 00
384—Best pair White—chicks.....	3 00
Second Best.....	2 00

AWARDING COMMITTEE.

Dr. — O'Hara, Carbondale, Jackson county.

S. A. Doolittle, Hinsdale, DuPage county.

A. Snider, Chicago, Cook Co.

Lot 70—French.

385—Best pair Houdon—fowls.....	\$3 00
Second best.....	2 00
386—Best pair Houdon—chicks.....	3 00
Second best.....	2 00
387—Best pair Crevecour—fowls.....	3 00
Second best.....	2 00
388—Best pair Crevecour—chicks.....	3 00
Second best.....	2 00
389—Best pair LaFleche—fowls.....	3 00
Second best.....	2 00
390—Best pair LaFleche—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

E. C. Brockman, Mt. Sterling, Brown county
George P. Webber, Pawnee, Sangamon Co.
C. Rourke, Petersburg, Menard county.
A. E. Jennet, Belvidere, Boone county.
J. H. Leaton, Bloomington, McLean county.

Lot 71—Game.

391—Best pair Black-breasted Red—fowls.....	\$3 00
Second best.....	2 00
392—Best pair Black-breasted Red—chicks.....	3 00
Second best.....	2 00
393—Best pair White—fowls.....	3 00
Second best.....	2 00
394—Best pair White—chicks.....	3 00
Second best.....	2 00
395—Best pair Brown Red—fowls.....	3 00
Second best.....	2 00
396—Best pair Brown Red—chicks.....	3 00
Second best.....	2 00
397—Best pair Ginger Red—fowls.....	3 00
Second best.....	2 00
398—Best pair Ginger Red—chicks.....	3 00
Second best.....	2 00
399—Best pair Yellow Duck Wings—fowls.....	3 00
Second best.....	2 00
400—Best pair Yellow Duck Wings—chicks.....	3 00
Second best.....	2 00
401—Best pair Gray—fowls.....	3 00
Second best.....	2 00
402—Best pair Gray—chicks.....	3 00
Second best.....	2 00
403—Best pair Silver Duck Wings—fowls.....	3 00
Second best.....	2 00
404—Best pair Silver Duck Wings—chicks.....	3 00
Second best.....	2 00
405—Best pair Spangled—fowls.....	3 00
Second best.....	2 00
406—Best pair Spangled—chicks.....	3 00
Second best.....	2 00
407—Best pair Pile—fowls.....	3 00
Second best.....	2 00
408—Best pair Pile—chicks.....	3 00
second best.....	2 00
409—Best pair White Pile—fowls.....	3 00
Second best.....	2 00
410—Best pair White Pile—chicks.....	3 00
Second best.....	2 00

411—Best pair Black—fowls.....	3 00
Second best.....	2 00
412—Best pair Black—chicks.....	3 00
Second best.....	2 00
413—Best pair Blue—fowls.....	3 00
Second best.....	2 00
414—Best pair Blue—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

C. A. Keefer, Sterling, Whiteside county.
S. D. Dole, Mattoon, Coles county.
I. A. Jordan, Coal Valley, Rock Island Co.
W. H. Beadle, Marshall, Clark county.
A. H. Cook, Joliet, Will county.

Lot 72—Bantams.

415—Best pair Sebright—fowls.....	\$3 00
Second best.....	2 00
416—Best pair Sebright—chicks.....	3 00
Second best.....	2 00
417—Best pair Red Pile Game—fowls.....	3 00
Second best.....	2 00
418—Best pair Red Pile Game—chicks.....	3 00
Second best.....	2 00
419—Best pair White—fowls.....	3 00
Second best.....	2 00
420—Best pair White—chicks.....	3 00
Second best.....	2 00
421—Best pair Black—fowls.....	3 00
Second best.....	2 00
422—Best pair Black—chicks.....	3 00
Second best.....	2 00
423—Best pair Pekin or Cochins.....	3 00
Second best.....	2 00
424—Best pair Pekin or Cochins—chicks.....	3 00
Second best.....	2 00
425—Best pair Japan—fowls.....	3 00
Second best.....	2 00
426—Best pair Japan—chicks.....	3 00
Second best.....	2 00
427—Best pair Black-Red Game—fowls.....	3 00
Second best.....	2 00
228—Best pair Black-Red Game—chicks.....	3 00
Second best.....	2 00
229—Best pair Brown-Breasted Game—fowls.....	3 00
430—Best pair Brown-Breasted Game—chicks.....	3 00
Second best.....	2 00
431—Best pair Duck Wing—fowls.....	3 00
Second best.....	2 00
432—Best pair Duck Wing—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

John Kingsbury, Greenville, Bond county.
D. W. Arnold, Watseka, Iroquois county.
Fred E. Scheel, Belleville, St. Clair county.
J. C. Eiker, Orange, Knox county.

Lot 73—Miscellaneous.

433—Best pair Frizzlies—fowls.....	\$3 00
Second best.....	2 00
434—Best pair Frizzlies—chicks.....	3 00
Second best.....	2 00
435—Best pair Silkies—fowls.....	3 00
Second best.....	2 00
436—Best pair Silkies—chicks.....	3 00
Second best.....	2 00
437—Best pair Rumpless—fowls.....	3 00
Second best.....	2 00
438—Best pair Rumpless—chicks.....	3 00
Second best.....	2 00
439—Best pair Pea Fowls.....	3 00
Second best.....	2 00
440—Best two Capons.....	3 00
Second best.....	2 00
441—Best pair Fowls of any new variety, of merit, not named above.....	5 00

AWARDING COMMITTEE.

Frank Granger, Naperville, DuPage county.
R. R. Westfall, Bushnell, McDonough Co.
C. B. Blodgett, Downers Grove, DuPage Co.
Michael Piggot, Quincy, Adams county.

Lot 74—Guineas.

442—Best pair White—fowls.....	\$3 00
Second best.....	2 00
443—Best pair White—chicks.....	3 00
Second best.....	2 00
444—Best pair Common—fowls.....	3 00
Second best.....	2 00
445—Best pair Common—chicks.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

Mark Fullinwider, Mechanicsburg, Sangamon county.
John Coons, Winchester, Scott county.
Clark Heath, Capron, McHenry county.
Michael Donahue, Clinton, DeWitt county.
I. W. Clinton, Polo, Ogle county.

Lot 75—Turkeys.

446—Best pair Bronze—fowls.....	4 00
Second best.....	2 00
447—Best pair Bronze—chicks.....	4 00
Second best.....	2 00
448—Best pair Black—fowls.....	4 00
Second best.....	2 00
449—Best pair Black—chicks.....	4 00
Second best.....	2 00
450—Best pair Slate—fowls.....	4 00
Second best.....	2 00
451—Best pair Slate—chicks.....	4 00
Second best.....	2 00
452—Best pair Buff—fowls.....	4 00
Second best.....	2 00
453—Best pair Buff—chicks.....	4 00
Second best.....	2 00
454—Best pair Narragansett—fowls.....	4 00
Second best.....	2 00
455—Best pair Narragansett—chicks.....	4 00
Second best.....	2 00
456—Best pair White—fowls.....	4 00
Second best.....	2 00
457—Best pair White—chicks.....	4 00
Second best.....	2 00

AWARDING COMMITTEE.

H. D. Jenkins, Arcola, Douglas county.
Wm. Allen, Henepin, Putnam county.
W. N. Berry, Majority point, Cumberland Co.
J. Beebe, Newark, Kendall county.
George Latham, Greenville, Bond county.

Lot 76—Ducks.

458—Best pair Aylesbury.....	\$3 00
Second best.....	2 00
459—Best pair Rouen.....	3 00
Second best.....	2 00
460—Best pair Cayuga.....	3 00
Second best.....	2 00
461—Best pair White Muscovy.....	3 00
Second best.....	2 00
462—Best pair colored Muscovy.....	3 00
Second best.....	2 00
463—Best pair White-Crested.....	3 00
Second best.....	2 00
464—Best pair Pekin.....	3 00
Second best.....	2 00

465—Best pair Call.....	3 00
Second best.....	2 00
466—Best pair East India or Labrador.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

H. C. Wolf, Wenona, Marshall county.
H. N. Robberts, Alton, Madison county.
H. Cough, Ellitsville, Fulton county.

Lot 77—Geese.

467—Best pair Embden.....	\$4 00
Second best.....	2 00
468—Best pair Toulouse.....	4 00
Second best.....	2 00
469—Best pair White China.....	4 00
Second best.....	2 00
470—Best pair Egyptian.....	4 00
Second best.....	2 00
471—Best pair African.....	4 00
Second best.....	2 00

AWARDING COMMITTEE.

I. R. Haggard, Downers Grove, DuPage Co.
Mrs. A. McLean, Macomb, McDonough Co.
C. J. Ward, Chicago, Cook county.
A. C. Matthews, Pittsfield, Pike county.
Frank K. Springer, Riverton, Sangamon Co.

Lot 78—Rabbits.

472—Best pair Madagascar.....	\$3 00
Second best.....	2 00
273—Best pair White Angoras.....	3 00
Second best.....	2 00
274—Best pair Fawn Angoras.....	3 00
Second best.....	2 00
275—Best pair Himalay.....	3 00
Second best.....	2 00
276—Best pair Dutch.....	3 00
Second best.....	2 00

477—Best pair Belgian Hares.....	3 00
Second best.....	2 00
478—Best pair English Rabbits.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

Phil Warren, Springfield, Sangamon county.
Joseph Hewer, Belvidere, Boone county.
John D. Gillitt, Elkhart, Logan county.
S. M. White, Rabbit Run, Platt county.

Lot 79—Ferrets.

479—Best pair English Ferrets.....	\$3 00
Second best.....	2 00
480—Best pair American White Ferrets.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

Wm. W. Hinman, Cambridge, Henry county.
David Neal, Neoga, Cumberland county.
T. McDermott, Ottawa, LaSalle county.
Fred Reman, Vandalia, Fayette county.
M. Enyart, Kankakee, Kankakee county.

Lot 80—Displays.

481—Best Display of Varieties of Poultry.....	\$15 00
Second best.....	10 00
482—Best Display of Pigeons, not less than ten varieties.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

E. W. West, Belleville, St. Clair county.
C. P. King, Peoria, Peoria county.
John B. Edington, New Burnside, Johnson county.

L. Hord, Fullersburg, DuPage county.

CLASS F.--Mechanic Arts.

SECTION I.

JOHN M. EPLER, SUPERINTENDENT.

1. All articles must be entered and cards obtained from the Secretary before space will be assigned.

2. Any exhibitor to whom is awarded a Silver Medal can receive in its stead a handsomely engraved Diploma, if preferred. Diplomas will be filled out and delivered by the Secretary as soon as awards are made. The Medals will be delivered, by express, on or before January 1, 1881.

3. Awarding Committees will report for duty to the Superintendent promptly at 9 a. m., Tuesday, September 28, 1880.

Lot 81--Stoves, Castings, Worked Metals, Etc.

453--Best display of Stoves, Ranges, Tin and Copper Ware.....	Dip. & \$20 00
Second best.....	10 00
484--Best display of Plumbers' Work.....	Dip or S. M.
455--Best display of Brass and Iron Wire Work.....	" "
486--Best display of general Hardware.....	" "
487--Best display of Cutlery and Mechanics' Tools.....	" "
488--Best display of Firearms.....	" "
489--Best display of Malleable Iron Castings.....	" "
490--Best display of Lamps for burning Kerosene.....	" "
491--Best display of Silver-plated Ware.....	\$5 and S. M.
492--Best display of Scales (other than hay and cattle).....	Dip. or S. M.
493--Best Refrigerator.....	S. M.
494--Best Fruit Dryer.....	" "
495--Best Weather Strips.....	" "
496--Best Water Filter.....	" "
497--Best Meat Cutter.....	" "

AWARDING COMMITTEE.

Mr. Scofield, Monmouth, Warren county.
C. H. Atkins, Chicago, Cook county.
I. C. Burress, Carrollton, Green county.
Frank Frorer, Lincoln, Logan Co.
John C. Lamb, Springfield, Sangamon co.

Lot 82--Household Furniture.

498 Best display of general Household Furniture.....	Dip. & \$20 00
Second best.....	10 00
499--Best 12 Brooms.....	S. M.
500--Best Churn.....	" "
501--Best Cheese Vat.....	" "
502--Best Washing Machine.....	" "
503--Best Mangling Machine.....	" "
504--Best Wringer.....	" "
505--Best Cherry Stoner.....	" "

AWARDING COMMITTEE.

H. A. Vaughan, DeKalb, DeKalb county.
Ira B. Hall, Delavan, Tazewell county.
H. S. Street, Sterling, Whiteside county.
T. B. Chambers, Charleston, Coles county.
Jno. Swaney, Clear Creek, Putnam county.

Lot 83--Manufactures of Various Kinds.

506--Best display of Drain Tile, several sizes.....	\$10 00 and S. M.
507--Best display of Rockingham Ware....	S. M.
508--Best display Porcelain Pottery Ware	S. M.
509--Best display of Glass and Glass Ware.....	Dip. or S. M.
510--Best display of Paints and Oils	Dip. or S. M.
511--Best display of Willow Ware	Dip. or S. M.
512--Best display of Doors, Sash and Blinds.....	Dip. or S. M.
513--Best display of Cooper Work	Dip. or S. M.
514--Best display of Tobaccos and Cigars.....	Dip. or S. M.
515--Best display of Harness and Saddles.....	Dip. or S. M.
516--Best display of Bound Blank Books, Printing, Wrapping and Writing Paper.....	Dip. or S. M.
517--Best display of Paper Hanging and Borders.....	Dip. or S. M.
518--Best display of Philosophical and Mathematical Instruments.....	Dip. or S. M.
519--Best display Surgical and Dental Instruments.....	Dip. or S. M.
520--Best display of Clocks and Watches.....	Dip. or S. M.
521--Best display of Jewelry.....	Dip. or S. M.
522--Best display of Preserved Fresh Meats.....	Dip. or S. M.
523--Best display of Condensed Milk and Cream.....	Dip. or S. M.
524--Best display of Soap.....	Dip. or S. M.
525--Best display of Fancy Toilet Goods.....	Dip. or S. M.
526--Best display of Confections and Candies.....	Dip. or S. M.
527--Best display of Dry Goods and Carpets.....	Dip. or S. M.

- 528—Best display of Boots and Shoes Dip. or S. M.
 529—Best display of Hats and Caps Dip. or S. M.
 530—Best display of Ready-Made Clothing Dip. or S. M.
 531—Best display of Musical Instruments Dip. or S. M.
 532—Best display of Druggists' Goods Dip. or S. M.
 533—Best display of Millinery Goods Dip. or S. M.
 534—Best display of Groceries Dip. or S. M.
 535—Best Seamless Grain Sacks. S. M.
 536—Best Roofing Material. S. M.
 537—Best Artificial Limb. S. M.
 538—Best Body Brace. S. M.
 539—Best Truss. S. M.
 540—Best Artificial Teeth. S. M.
 541—Best Fruit Crates and Packages. S. M.

The workmanship of the following articles will be taken into special consideration and the articles must be exhibited by the manufacturers :

- 542—Best set of Carriage Harness. S. M.
 543—Best set of Single Buggy Harness. S. M.
 544—Best set of Wagon Harness. S. M.
 545—Best Gentlemen's Saddle. S. M.
 546—Best Ladies' Saddle. S. M.
 547—Best pair Calf Boots (sewed). S. M.
 548—Best pair Ladies' Shoes (sewed). S. M.
 549—Best Horse Collar. S. M.

AWARDING COMMITTEE.

Thomas Brady, Diona, Clark county.
 L. E. Dillman, Joliet, Will county.
 J. A. Morseman, Centralia, Marion county.
 J. C. Mateer, Kankakee, Kankakee county.
 George Siegel, Carlinville, Macoupin county.

Lot 84—Sewing and Knitting Machines and Spinning Wheels.

No premiums will be awarded in this lot, but every facility afforded for exhibition.

- 550—Best Family Sewing Machine.
 551—Best Manufacturing Machine for Cloth Work
 552—Best Manufacturing Machine for Leather Work.
 553—Best Machine for Soling Boots and Shoes.
 554—Best series of samples of work done by a Family Sewing Machine.
 555—Best series of samples of work done by a Machine for Manufacturing Cloth Work.
 556—Best series of samples of work done by a Machine for Manufacturing Leather Work.
 557—Best series of samples of work done by a Machine for Soling Boots and Shoes.
 558—Best Family Knitting Machine.

CLASS F.=Mechanic Arts.

SECTION 2.

W. M. SMITH, SUPERINTENDENT.

1. All articles must be entered and cards obtained from the Secretary before space will be assigned.
2. Any exhibitor to whom is awarded a silver medal can receive in its stead a handsomely engraved diploma, if preferred. Diplomas will be filled out and delivered by the Secretary as soon as awards are made. The medals will be delivered by express on or before January 1, 1881.
3. Exhibitors requiring space in Power Hall, and the use of shafting, will make application for space, by letter to the Superintendent before August 29, 1880. Such application must state the extreme dimension of the machine in the direction of the shaft of the Hall, designated as length, the dimensions at right angles, to be designated as width, and no part of the machine must extend beyond the space so described. A plan or sketch, giving dimensions, with the position of driving pulley, should accompany the application.
4. The shafting is $2\frac{3}{4}$ inches in diameter, and will be run at 130 revolutions per minute.
5. Space will be assigned by the Superintendent on or before September 10th, giving ample time to place machinery in position.
6. Small, light machines needing power, will be granted any available space in Power Hall up to Tuesday, September 14th, 1880.
7. All articles should be ready for exhibition on the first day of the Fair, and exhibitors are urged to commence their arrangements in time. Steam power will be furnished for driving machinery on exhibition.
8. Awarding Committees will report for duty to the Superintendent promptly at 9 A. M., Tuesday, Sept. 28, 1880.

Lot 85—Engines, Machinery, Etc.

559—Best Portable Farm Steam engine.....	Dip.
560—Best Garden Engine.....	S. M.
561—Best Pump for well.....	"
562—Best Pump for cistern.....	"
563—Best Water Elevator other than Pump. "	"
564—Best Steam Boiler and Safety Gauge....	"
565—Best Portable Grist Mill for farm use....	Dip.
566—Best Saw-Mill and Engine for Lum- ber.....	S. M.
567—Best Machine for making Drain Tile	Dip. and \$20 00
568—Best Machine for making Brick.....	Dip.
569—Best 100 assorted Drain Tile.....	S. M.
570—Best Machine for opening ditch for Drain Tile.....	"
571—Best Machine for laying Drain Tile....	"
572—Best Road Making Machine	Dip. and \$20
573—Best Road Scraper.....	S. M.
574—Best Mill for Grinding Sugar Cane.....	"
575—Best Evaporator, with necessary and approved apparatus, for making Syrup and Sugar.....	S. M.
576—Best Potato Planter.....	"
577—Best Potato Digger.....	"
578—Best Portable Mill for shelling and grinding corn.....	"
579—Best Horse Hay Fork.....	"
580—Best Horse Hay Derrick for Stack- ing.....	"
581—Best Hay Elevator and Carrier for moving hay in barn.....	"
582—Best Model for Ventilated Vegetable or Grain Bin.....	"
583—Best Portable Hay Press.....	Dip.
584—Best Stationary Hay Press.....	"

585—Best Four-Horse Power for general farm purposes.....	\$10 00
586—Best Clover Huller and Thresher.....	S. M.
587—Best Hay and Straw Cutter.....	"
588—Best Root and Vegetable Cutter.....	"
589—Best Cotton Seed Planter.....	"
590—Best Hominy and Pearling Mill.....	"
591—Best Mower Knife Grinder.....	"
592—Best Display of Flower Pots.....	"

AWARDING COMMITTEE.

J. M. Thomas, Wyoming, Stark county.
Wm. E. Wiley, Marion county.
George Hayden, Alton, Madison Co.
D. Chalmers, Chicago, Cook county.
John W. Putnam, Rushville, Schuyler county.

Lot 86—Light Machines.

593—Best Cotton Gin.....	S. M.
594—Best Cotton Gin and Condenser.....	"
595—Best Power Loom.....	"
596—Best Flour Bolt.....	"
597—Best Flour Packer.....	"
598—Best Mortising Machine.....	"
599—Best Tenoning Machine.....	"
600—Best Sash Machine.....	"
601—Best Spoke Dressing Machine.....	"
602—Best Wood Sawing Machine.....	"
603—Best Planing Machine.....	"
604—Best Lath Machine.....	"
605—Best Shingle Machine.....	"
606—Best Stave Machine.....	"
607—Best Cordage Machine.....	"

AWARDING COMMITTEE.

Carlye Mason, Chicago, Cook county.
 White Washburn, Mt. Sterling, Brown Co.
 Wm. A. Bennett, Springfield, Sangamon Co.
 D. W. Fairbank, Jacksonville, Morgan Co.
 Geo. C. Wild, Sycamore, DeKalb county.

Lot 87—Implements, Vehicles, Etc.

- 608—Best Steaming Apparatus for Cooking food for stock.....Dip. and \$10
 609—Best Iron Fence and Gate..... S. M.
 610—Best Gate for Farm use..... "
 611—Best Portable Fence..... "
 612—Best Hay and Cattle Scales for farm use.....Dip. and \$10
 613—Best Display of two-seated Carriages of various kinds.....Dip. and \$10
 614—Best Display of Buggies.....Dip. and \$10
 615—Best two-horse Carriage..... S. M.
 616—Best Top Buggy..... "
 617—Best Open Buggy..... "
 618—Best Sulky..... "
 619—Best Skeleton Wagon..... "
 620—Best Barouche..... "
 621—Best two-horse Wagon.....Dip. and \$10
 622—Best Spring Wagon.....Dip. and \$5
 623—Best one-horse Cart..... S. M.
 624—Best Well-Boring Machine..... S. M.

AWARDING COMMITTEE.

P. S. Arno, Havana, Mason county.
 H. C. Blake, Mt. Carroll, Carroll county.
 C. F. Teney, Bement, Piatt County.
 W. L. Sweeney, Rock Island, Rock Island Co.
 W. D. Murford, Majority Point, Cumberland county.

Lot—88.

No premiums awarded, nor examination by Committee, but every facility afforded for exhibition.

- | | |
|--------------------------------|---------------------------------------|
| 625—Threshers. | 625 $\frac{1}{2}$ —Wheel Barrow. |
| 626—Corn Harvesters. | 626 $\frac{1}{2}$ —Harvesters. |
| 627—Hedge Trimmers. | 627 $\frac{1}{2}$ —Gang Plows. |
| 628—Reapers. | 628 $\frac{1}{2}$ —Walking Plows. |
| 629—Mowers. | 629 $\frac{1}{2}$ —Riding Plows. |
| 630—Combined Reaper and Mower. | 630 $\frac{1}{2}$ —Harrows. |
| 631—Grain Binders. | 631 $\frac{1}{2}$ —Cultivators. |
| 632—Horse Rakes. | 632 $\frac{1}{2}$ —Corn Planters. |
| 633—Cider Mills. | 633 $\frac{1}{2}$ —Check Rowers. |
| 634—Corn and Cob Mills. | 634 $\frac{1}{2}$ —Grain Drills. |
| 635—Wind Mills. | 635 $\frac{1}{2}$ —Seed Sowers. |
| 636—Capstans. | 636 $\frac{1}{2}$ —Rollers. |
| 637—Corn Stalk Cutters. | 637 $\frac{1}{2}$ —Ditching Machines. |
| 638—Power Corn Sheller. | 638 $\frac{1}{2}$ —Fanning Mills. |
| | 638 $\frac{3}{8}$ —Hand Corn Sheller |
| | 638 $\frac{5}{8}$ —Ox Cart. |
| | 638 $\frac{7}{8}$ —Hay Loader. |

CLASS G.--Farm Products.

SAMUEL DOUGLAS, SUPERINTENDENT.

1. All Grains, Seeds and Vegetables competing for premiums must be exhibited by producer, and must have been grown in the year 1880.
 2. Awarding Committees will report for duty to the Superintendent promptly at 9 A. M. Tuesday, September 28, 1880.

Lot 89--Grains and Seeds.

639--Best sample of White Winter Wheat not less than 1 bushel.....	\$10 00
Second best.....	5 00
640--Best sample Red Winter Wheat, not less than 1 bushel.....	10 00
Second best.....	5 00
641--Best sample Red Spring Wheat, not less than 1 bushel.....	10 00
Second best.....	5 00
642--Best sample Rye, not less than 1 bushel.....	5 00
Second best.....	3 00
643--Best sample of Oats, not less than 1 bushel.....	5 00
Second best.....	3 00
644--Best sample of Fall Barley, not less than 1 bushel.....	5 00
Second best.....	3 00
645--Best sample of Spring Barley, not less than 1 bushel.....	3 00
Second best.....	3 00
646--Best sample of White Indian Corn, not less than one bushel, in the ear.....	5 00
Second best.....	3 00
647--Best sample of Yellow Indian Corn, not less than 1 bushel, in the ear.....	5 00
Second best.....	3 00
648--Best sample of Corn on the Stalk, 5 or more stalks.....	2 00
Second best.....	1 00
649--Best sample Pop Corn, not less than 1 peck.....	3 00
Second best.....	2 00
650--Best sample of Buckwheat, not less than 1 bushel.....	5 00
Second best.....	2 00
651--Best samples of Timothy Seed, not less than 1 bushel.....	5 00
Second best.....	2 00
652--Best sample of Clover Seed, not less than 1 bushel.....	5 00
Second best.....	2 00
653--Best sample of Blue-Grass Seed, not less than 1 bushel.....	5 00
Second best.....	2 00
654--Best sample of Orchard-Grass Seed not less than 1 bushel.....	5 00
Second best.....	2 00
655--Best bale of Broom Corn.....	5 00
Second best.....	2 00
656--Best White Field Beans, not less than half bushel.....	5 00
Second best.....	2 00
657--Best Lima Beans, not less than one peck.....	5 00
658--Best and greatest variety of Garden Peas, not less than 1 quart each.....	2 00
659--Best Castor Beans, not less than one bushel.....	\$10 00
660--Best Timothy Hay, in bale of not less than 350 pounds.....	5 00
Second best.....	3 00

661--Largest and best display of Grains and seeds, samples distinct from the foregoing, by any one person.....\$30 00

To Agricultural Boards of Illinois, only.

662--Largest and best display of Grains and Seeds, by County, Union or District Agricultural Board.....Dip. and \$30

AWARDING COMMITTEE.

Seneca Tupper, Morris, Grundy county.
 L. B. Parsons, Flora, Clay county.
 G. Fordyce, Ancona, Livingston county.
 Peter Schwinn, Belleville, St. Clair county.
 Roswell Bills, Peoria, Peoria county.

Lot 90--Vegetables.

663--Best sample of Early Irish Potatoes, not less than 1 bushel.....	\$5 00
Second best.....	3 00
664--Best sample of Late Irish Potatoes, not less than 1 bushel.....	5 00
Second best.....	3 00
665--Best Sweet Potatoes, not less than 1 bushel.....	5 00
Second best.....	3 00
666--Best lot of Onions, not less than 1 bushel.....	4 00
Second best.....	2 00
667--Best Table Turnips, not less than 1 bushel.....	4 00
Second best.....	2 00
668--Best Beets for table use, not less than 1 bushel.....	4 00
Second best.....	2 00
669--Best Mangel Wurzel, not less than 1 bushel.....	4 00
Second best.....	2 00
670--Best Parsnips for table use, not less than 1 bushel.....	4 00
Second best.....	2 00
671--Best lot of Cauliflower.....	4 00
Second best.....	2 00
672--Best lot of Celery, not less than 12 stalks.....	4 00
Second best.....	2 00
673--Best Cabbage, not less than 6 heads.....	4 00
Second best.....	2 00
674--Best Tomatoes, not less than one peck.....	4 00
Second best.....	2 00
675--Best 6 Pumpkins.....	4 00
676--Best 6 Squashes.....	4 00
677--Best 6 Watermelons.....	4 00
Second best.....	2 00
678--Best 6 Muskmelons.....	4 00
Second best.....	2 00
679--Best sample of Carrots, not less than half bushel.....	5 00

680—Best 6 Egg-Plant—fruit.....	4 00
Second best.....	2 00
681—Best bale of Hops.....	4 00
682—Best and greatest variety of Garden Seeds, named.....	10 00
Second best.....	5 00
683—Best sample of Tobacco, to be shown "in hand," not less than 10 lbs.....	5 00
Second best.....	3 00
684—Best sample of Sugar Beets, not less than 1 bushel.....	4 00
Second best.....	2 00

AWARDING COMMITTEE.

H. F. Potter, Mound City, Pulaski county.
Charles Curtis, Downers Grove, DuPage county.

L. D. Ennis, Rushville, Schuyler county.
M. Carter, Oak Park, Cook county.

Lot 91—Butter, Cheese, Etc.

687—Best barrel of Winter Wheat Flour.....	Dip.
688—Best barrel of Spring Wheat Flour.....	
689—Best Starch, of Wheat, not less than 10 pounds, Illinois manufacture.....	"
690—Best Starch, of Indian Corn, not less than 10 pounds, Illinois manufacture.....	"
691—Best Butter, not less than 10 pounds made at any time during the year.....	\$10 00
Second best.....	5 00
692—Best Butter, made in May or June, not less than 10 pounds.....	10 00
693—Best Fresh Butter, not less than 10 pounds.....	10 00
694—Best and largest display of Butter, samples distinct from foregoing.....	15 00
695—Best Cheese, 1 year old or over.....	10 00
Second best.....	5 00
696—Best cured Cheese, under 1 year old.....	10 00
Second best.....	5 00
697—Best New Cheese.....	10 00
Second best.....	5 00
698—Best and largest display of Cheese, samples distinct from foregoing.....	15 00
699—Best display of Sugar-cured Hams and Breakfast Bacon.....	Dip.
700—Best lot of Honey, not less than 10 pounds.....	5 00
Second best.....	3 00

AWARDING COMMITTEE.

Philip S. Judy, Camp Point, Adams county.
Geo. H. Mason, Atlanta, Logan county.
Wm. Hastings, Jacksonville, Morgan Co.
Henry Knowles, Rockford, Winnebago Co.
J. W. Robinson, Tremont, Tazewell county.

Lot 92—Bread, Cakes, Etc.

701—Best loaf of Wheat Bread, made with hop yeast.....	\$4 00
Second best.....	2 00
702—Best loaf of Wheat Bread, made with milk rising.....	4 00
Second best.....	2 00
703—Best loaf of Bread, made of unbolted flour.....	4 00
Second best.....	2 00
704—Best loaf of Rye Bread.....	4 00
Second best.....	2 00
705—Best loaf of Corn Bread.....	4 00
Second best.....	2 00
706—Best Sponge Cake.....	4 00
Second best.....	2 00
707—Best Snow Cake.....	4 00
Second best.....	2 00
708—Best Pound Cake.....	4 00
Second best.....	2 00
709—Best Jelly Cake.....	4 00
Second best.....	2 00
710—Best Fruit Cake.....	4 00
Second best.....	2 00
711—Best Silver Cake.....	4 00
Second best.....	2 00

712—Best Gold Cake.....	4 00
Second best.....	2 00
713—Best Nut Cake.....	4 00
Second best.....	2 00
714—Best Doughnuts.....	4 00
Second best.....	2 00
715—Best Ginger Cake.....	4 00
Second best.....	2 00
716—Best Marble Cake.....	4 00
Second best.....	2 00
717—Best Orange Cake.....	4 00
Second best.....	2 00
718—Best Lemon Cake.....	4 00
Second best.....	2 00
719—Best Coconut Cake.....	4 00
Second best.....	2 00
720—Best Queen of the Prairie Cake.....	4 00
Second best.....	2 00
721—Best Crackers, not less than 5 lbs.....	4 00
Second best.....	2 00
722—Best quart Sorghum Molasses.....	3 00
Second best.....	2 00
723—Best sample of Sugar made of Sorghum.....	3 00
Second best.....	2 00
724—Best sample Flavoring Extracts, in variety.....	Dip.
725—Best pound Browned Coffee.....	\$1 00
726—Best can Sweet Corn.....	2 00
727—Best can Common Corn.....	2 00

AWARDING COMMITTEE.

Mrs. A. F. Moore, Polo, Ogle county.
Mrs. R. S. Hodgen, Charleston, Coles Co.
Mrs. Samuel Dysart, Franklin Grove, Lee county.
Mrs. L. Brookhart, Majority Point, Cumberland county.
Mrs. L. Schofield, Lisbon, Kendall county.

Lot 93—Bread and Cakes.

By girl under 13 years of age.

728—Best loaf of Wheat Bread, made with hop yeast.....	\$4 00
Second best.....	2 00
729—Best loaf of Wheat Bread, made with milk rising.....	4 00
Second best.....	2 00
730—Best loaf of Bread, made of unbolted flour.....	4 00
Second best.....	2 00
731—Best loaf of Rye Bread.....	4 00
Second best.....	2 00
732—Best loaf of Corn Bread.....	4 00
Second best.....	2 00
733—Best Sponge Cake.....	4 00
Second best.....	2 00
734—Best Snow Cake.....	4 00
Second best.....	2 00
735—Best Pound Cake.....	4 00
Second best.....	2 00
736—Best Jelly Cake.....	4 00
Second best.....	2 00
737—Best Fruit Cake.....	4 00
Second best.....	2 00
738—Best Silver Cake.....	4 00
Second best.....	2 00
739—Best Gold Cake.....	4 00
Second best.....	2 00
740—Best Nut Cake.....	4 00
Second best.....	2 00
741—Best Doughnuts.....	4 00
Second best.....	2 00
742—Best Ginger Cake.....	4 00
Second best.....	2 00

AWARDING COMMITTEE.

Mrs. R. W. Ross, Vandalia, Fayette county.
Mrs. Lucius Burns, Roberts, Ford county.
Mrs. C. A. Monke, Belleville, St. Clair Co.
Mrs. L. F. Ross, Avon, Fulton county.
Mrs. J. F. McCartney, Metropolis, Massac county.

CLASS H.==Horticulture and Floriculture.

SECTION 1.—TREES, FLOWERS, PLANTS, ETC.

GEORGE S. HASKELL, SUPERINTENDENT.

1. All articles in this class must be correctly named and labeled, with not more than two specimens of any one variety.
2. Plants competing for a premium must be arranged together, and separate samples must be furnished for each entry.
3. One specimen of each of the varieties of trees competing shall have been grown and trained for the respective use of ornamental, shade, lawn or timber trees, as entered.
4. Plants, cut flowers and designs must be ready for inspection on or before 1 o'clock P. M., Tuesday, September 28, 1880.
5. Awarding Committees will report for duty to the Superintendent promptly at 1 o'clock P. M., Tuesday, September 28, 1880.

Lot 94—Trees.

Competition open to all.

- 743—Best collection of cultivated, useful, hardy, Evergreen Trees, not less than 6 varieties, not less than 4 of each variety..... Dip.
Second best..... S. M.
- 744—Best collection of cultivated deciduous Ornamental, Shade, Lawn and Forest Trees..... Dip.
Second best..... S. M.

FLOWERS AND PLANTS.

For Professional Florists and Dealers only.

- 745—Best collection of distinct varieties of Greenhouse and Hothouse plants, not to include specimens entered for other premiums..... Dip. and \$30 00
Second best..... 20 00
Third best..... 10 00
- 746—Best collection of Agaves and Aloes..... 3 00
Second best..... 2 00
- 747—Best collection of Cactus (excluding Agaves and Aloes)..... 3 00
Second best..... 2 00
- 748—Best collection of Echeverias and Succulents..... 3 00
Second best..... 2 00
- 749—Best and most showy varieties of Rex Begonias..... 3 00
Second best..... 2 00
- 750—Best collection Tuberoses Rooted..... 3 00
Second best..... 2 00
- 751—Best and largest collection of species Begonias not named above..... 3 00
Second best..... 2 00
- 752—Best collection winter flowering Begonias..... 3 00
Second best..... 2 00
- 753—Best and largest collection Geraniums..... 8 00
Second best..... 5 00
- 754—Best 6 single varieties Geraniums..... 3 00
- 755—Best 6 double varieties Geraniums..... 3 00
- 756—Best seedling Geranium shown for the first time..... 3 00
- 757—Best collection foliage and variegated Geraniums..... \$ 3 00
Second best..... 2 00
- 758—Best collection of Achyranthus..... 3 00
Second best..... 2 00
- 759—Best collection of Abutilons, in bloom..... 3 00
Second best..... 2 00
- 760—Best collection of Carnations, in bloom..... 5 00
Second best..... 3 00
- 761—Best new variety Carnation, from seed..... 3 00
- 762—Best 6 double Fuchias, in bloom..... 3 00
Second best..... 2 00
- 763—Best 6 single Fuchias, in bloom..... 3 00
Second best..... 2 00
- 764—Best collection of roses in pots, in bloom..... 8 00
Second best..... 4 00
- 765—Best pair Hanging Baskets, of plants..... 3 00
Second best..... 2 00
- 766—Best Single Hanging Basket, of plants..... 2 00
Second best..... 1 00
- 767—Best arranged group of Plants, in bloom..... 4 00
Second best..... 3 00
- 768—Best single Specimen Plant of any kind..... 4 00
- 769—Best single specimen Hothouse Foliage Plant..... 4 00
- 770—Best collection of Palms..... 8 00
Second best..... 4 00
- 771—Best Single Palm..... 4 00
- 772—Best Single Ficus..... 4 00
- 773—Best collection of Ferns..... 6 00
Second best..... 4 00
- 774—Best collection of Mosses..... 3 00
- 775—Best collection Hot and Greenhouse Climbers..... 3 00
Second best..... 2 00
- 776—Best collection of Calladeums..... 3 00
Second best..... 2 00
- 777—Best collection of Cannas..... 3 00
Second best..... 3 00
- 778—Best collection of Coleus..... 4 00
Second best..... 3 00
- 779—Best 12 Crotons..... 5 00
Second best..... 3 00

780—Best collection of Masontas.....	\$3 00
781—Best collection, 25 varieties, green house and bedding plants for amateur culture.....	10 00
782—Best collection bulbs correctly named.....	S. M. and 5 00
783—Best display of Plants or Flowers, not awarded any of the above premiums.....	20 00
784—Best new and meritorious Plant....	Dip.

AWARDING COMMITTEE.

A. B. Austin, Downers Grove, DuPage Co.
James Monteith, Rushville, Schuyler Co.
D. E. Holman, Chicago, Cook county.
John Thomas, Carrollton, Greene county.

Lot 95—Cut Flowers.

For Professional Florists.

785—Best collection of Cut Flowers.....	\$ 8 00
Second best.....	4 00
786—Best collection of Antirrhinums.....	3 00
Second best.....	2 00
787—Best collection of Asters.....	5 00
Second best.....	3 00
788—Best collection of Dahlias, named.....	5 00
Second best.....	3 00
789—Best collection of 18 Dahlias, dissimilar blooms.....	5 00
Second best.....	3 00
790—Best collection of Pompones or Bouquet Dahlias, not less than 6 in variety.....	3 00
Second best.....	2 00
791—Best collection of Everlastings.....	2 00
792—Best collection of Grasses.....	2 00
793—Best and largest display of Cut roses.....	10 00
Second best.....	5 00
794—Best collection Gladioli.....	5 00
Second best.....	3 00
795—Best collection of Pansies.....	5 00
Second best.....	3 00
796—Best collection of Perennial Phlox.....	3 00
797—Best collection of Phlox Drummondii.....	5 00
Second best.....	3 00
798—Best collection of Tuberoses.....	5 00
Second best.....	3 00
799—Best collection of ten week's stock.....	3 00
Second best.....	2 00
800—Best collection Verbenas, named.....	5 00
Second best.....	3 00
801—Best collection Verbenas, raised from seed.....	5 00
Second best.....	3 00
802—Best six new Seedling Verbenas.....	3 00
803—Best collection of Cut Geraniums.....	5 00
Second best.....	3 00
804—Best collection Salpiglossis.....	3 00
805—Best collection Double Zinnia.....	5 00
Second best.....	3 00
806—Best collection Double Petunias.....	5 00
Second best.....	3 00
807—Best collection Single Petunias.....	5 00
Second best.....	3 00
808—Best Seedling Double Petunia.....	3 00
809—Best and largest collection Cut Flowers, including above.....	Dip.

FLORAL DESIGNS, BOUQUETS, ETC.

810—Best Floral Design.....	\$15 00
Second best.....	10 00
811—Best Design of Dahlias.....	5 00
812—Best Floral Wreath.....	5 00
813—Best Design of Cut Flowers.....	5 00
814—Best pair Flat Hand Bouquets.....	5 00
815—Best pair Round Hand Bouquets.....	5 00
816—Best Basket of Cut Flowers.....	5 00
817—Best Basket of Winter Flowers.....	5 00

818—Best pair Bouquets of Grasses.....	\$ 5 00
819—Best Bouquet of Winter Flowers.....	5 00
820—Best pair Bridal Bouquets.....	5 00
821—Best Harp or Lyre.....	5 00
822—Best Cross.....	5 00
823—Best Crown.....	5 00
824—Best display of Florist's Requisites.....	Dip. and \$10 00

AWARDING COMMITTEE.

Geo. W. Minier, Minier, Tazewell county.
Mrs. J. H. Shuck, Springfield, Sangamon county.
James Crow, Crystal Lake, McHenry Co.
Mrs. W. O. Davis, Normal, McLean county.
D. Wilmot Scott, Galena, Jo Davis county.

Lot 96—Flowers and Plants—By Amateurs.

No Professional Florist allowed to compete.

825—Best collection of Greenhouse, Hot-house and Bedding Plants in Pots....	\$12 00
Second best.....	8 00
826—Best collection of Cactus and Aloes.....	3 00
Second best.....	2 00
827—Best collection of Winter Blooming Begonias.....	2 00
Second best.....	1 00
828—Best collection of Carnations, in bloom.....	3 00
Second best.....	2 00
829—Best collection of Geraniums.....	3 00
Second best.....	2 00
830—Best collection of Foliage Plants.....	3 00
Second best.....	2 00
831—Best collection of Fuchsias in bloom.....	3 00
Second best.....	2 00
832—Best collection of Pot Roses, in bloom, not less than 6 varieties.....	3 00
Second best.....	2 00
833—Best pair Hanging Baskets of Plants.....	3 00
Second best.....	2 00
834—Best single Hanging Basket of Plants.....	2 00
Second best.....	1 00
835—Best Wardian Case filled with Plants.....	4 00
836—Best Rustic Stand filled with Plants.....	4 00
837—Best Vase for Lawn, filled with Plants.....	4 00
838—Most handsome Palm.....	4 00

AWARDING COMMITTEE.

I. B. Dings, Decatur, Macon county.
Arthur Bryant, Sr., Princeton, Bureau Co.
Mrs. M. O. Frost, Marshall, Clark county.
Mrs. E. Boyer, Lockport, Will county.
Mrs. R. W. Ross, Vandalia, Fayette county.

Lot 97—Cut Flowers.

No Professional Florist allowed to compete.

839—Best collection of Cut Flowers.....	\$5 00
Second best.....	3 00
840—Best collection of Asters.....	2 00
Second best.....	1 00
841—Best collection of Balsams.....	2 00
842—Best collection of Dahlias, named, not less than 10 varieties.....	3 00
Second best.....	2 00
843—Best collection of Dahlias, Bouquet or Pompones.....	2 00
Second best.....	1 00
844—Best collection of Everlastings.....	2 00
Second best.....	1 00
845—Best collection of Gladioli.....	3 00
Second best.....	2 00

846—Best collection of Japan Pinks.....	\$ 3 00
Second best.....	2 00
847—Best collection of Single Petunias...	3 00
Second best.....	2 00
848—Best collection of Double Petunias	3 00
Second best.....	2 00
849—Best collection of Pansies.....	2 00
Second best.....	1 00
850—Best collection of Phlox Drummon-	
dii.....	3 00
Second best.....	2 00
851—Best collection of Cut Roses.....	3 00
Second best.....	1 00
852—Best collection of Tuberoses.....	2 00
Second best.....	1 00
853—Best collection of Verbenas.....	2 00
Second best.....	1 00
854—Best Double Zinnia.....	2 00
Second best.....	1 00

FLORAL DESIGNS, BOUQUETS, ETC.

855—Best Floral Designs.....	\$15 00
Second best.....	10 00
856—Best Floral Design of Dahlias.....	3 00
857—Best pair Floral Pyramids or	

Mounds.....	\$ 3 00
858—Best Floral Wreath.....	3 00
859—Best Floral Design of Cut Flowers..	3 00
860—Best pair Flat Hand Bouquets.....	2 00
Second best.....	1 00
861—Best pair Round Hand Boquets... ..	2 00
Second best.....	1 00
862—Best pair Grass Bouquets.....	2 00
Second best.....	1 00
863—Best Basket of Cut Flowers.....	3 00
Second best.....	2 00
864—Best Winter Basket of Flowers,	
Leaves and Mosses.....	3 00
Second best.....	2 00
865—Best pair Winter Bouquets.....	3 00
Second best.....	2 00
866—Best Floral Heart.....	3 00
867—Best Floral Star.....	3 00
868—Best Floral Dove.....	3 00

AWARDING COMMITTEE.

Mrs. N. B. Pratt, Kankakee, Kankakee Co.
 Mrs. Henry Seiter, Lebanon, St. Clair county.
 Mrs. S. Y. Thornton, Canton, Fulton county.
 B. F. Trousdale, Metropolis, Massac county.

CLASS H.—Horticulture and Floriculture.

SECTION 2.—FRUITS, JELLIES, PICKLES, ETC.

B. PULLEN, SUPERINTENDENT.

1. All articles in this class must have been grown or produced by the exhibiter, and be correctly named and labeled. A plate of fruit to consist of four specimens, and only one plate of each variety of fruit, will be permitted to compete for the same premium.

2. Fruit competing for the same premium must be arranged together, and separate samples must be furnished for each entry.

3. A list of fruit shown in collections, specifying the premiums for which entered, must be presented to the Superintendent for the use of Committees, at time of making entry.

4. Apples entered for the premiums offered for collections grown in the Northern, Central and Southern Divisions of the State, must have been grown by the exhibiter in the Division specified by the entry.

5. Awarding Committees will report for duty to the Superintendent promptly at 1 o'clock P. M., Tuesday, September 28th, 1880.

Lot 98—Home-Grown Fruits.

For Professional Fruit Growers or Orchardists.

869—Best collection of Fruits by a Horticultural Society, to be grown within the territorial limits of the Society exhibiting.....	\$50 00
Second best.....	25 00
Third best.....	15 00
870—Best collection of Apples (Crabs excepted) 25 varieties.....	25 00
Second best.....	15 00
871—Best collection, 15 varieties, of Apples for Southern Illinois, value for market purposes to be considered....	15 00
Second best.....	10 00
872—Best collection, 15 varieties, of Apples for Central Illinois, value for market purposes to be considered....	15 00
Second best.....	10 00
873—Best collection, 15 varieties, of Apples for Northern Illinois, value for market purposes to be considered.....	10 00
874—Best specimens Siberian Crab Apples, not less than 5 varieties.....	3 00
Second best.....	2 00
875—Best collection of Pears, not less than six varieties, the product of this State.....	6 00
Second best.....	4 00
876—Best collection of Autumn Pears, not less than 5 varieties, the product of this State.....	5 00
Second best.....	3 00
877—Best collection of Winter pears, not less than 3 varieties, the product of this State.....	5 00
Second best.....	3 00
878—Best collection of Peaches, named not less than 6 varieties.....	5 00
Second best.....	3 00
879—Best collection Seedling Peaches.....	4 00
Second best.....	2 00
880—Best collection of Plums, not less than 3 varieties.....	3 00
Second best.....	2 00

881—Best 12 Quinces.....	\$2 00
Second best.....	1 00
882—Best display of Grapes, correctly named.....	10 00
Second best.....	5 00
883—Best Early Grapes, not less than 3 bunches.....	4 00
Second best.....	2 00
884—Best 3 varieties of Late Grapes, for table use, not less than 3 bunches each.....	4 00
Second best.....	2 00
885—Best 3 varieties of Wine Grapes, not less than 3 bunches each.....	3 00
Second best.....	2 00
886—Best single variety of New Grapes, not less than 2 bunches.....	3 00
887—Most attractive and artistically arranged display of Fruits.....	10 00
Second best.....	5 00

AWARDING COMMITTEE.

H. M. Singer, Lemont, Cook county.
James T. Johnson, Warsaw, Hancock Co.
D. Worthington, Chicago, Cook county.
James Beal, Clayton, Adams county.
H. H. Eaton, Atlanta, Logan county.

Lot 99--Home-Grown Fruits--By Amateur.

888—Best collection of Apples, by farmer or amateur, 10 varieties.....	\$8 00
Second best.....	5 00
889—Best collection of Apples, as above, 6 varieties.....	5 00
Second best.....	3 00
890—Best collection of Pears, by farmer or amateur.....	3 00
Second best.....	2 00
891—Best collection of Peaches, by same.....	3 00
Second best.....	2 00
892—Best collection of Plums, by same.....	3 00
Second best.....	2 00
893—Best early Grapes, not less than 4 bunches.....	4 00
Second best.....	2 00

894—Best 3 varieties of late Grapes, for table use, not less than 3 bunches each.....	\$ 4 00
Second best.....	2 00
895—Best 3 varieties of Wine Grapes, not less than 3 bunches each.....	4 00
Second best.....	2 00
896—Best 8 varieties of Apples for Southern Illinois.....	8 00
Second best.....	4 00
897—Best 8 varieties of Apples for Central Illinois.....	8 00
Second best.....	4 00
898—Best 8 varieties of Apples for Northern Illinois.....	8 00
Second best.....	4 00
899—Best display of Grapes.....	8 00
Second best.....	4 00

AWARDING COMMITTEE.

James Fairbank, Concord, Morgan county.
George H. Clayson, Nunda, McHenry Co.
Luther Dearborn, Havana, Mason county.
L. K. Schofield, Freeport, Stephenson Co.
H. J. Dunlap, Champaign, Champaign Co.

Lot 100--Jellies, Preserves, Pickles, Etc.

(Only one glass of each.)

900—Best six or more varieties of Fruit Jellies, to include Apple, Plum, Quince, Crab Apple, Peach and Cherry.....	\$ 6 00
Second best.....	3 00
901—Best six or more varieties of Small Fruit Jelly, to include Currant, Grape, Blackberry, Raspberry, Strawberry, Gooseberry.....	6 00
Second best.....	3 00
902—Largest and most attractive display of Jellies not to include samples entered for other premiums.....	12 00
Second best.....	6 00
903—Best six or more varieties of Canned Fruit, to include Apple, Plum, Quince, Crab Apple, Peach, Cherry and Tomato.....	10 00
Second best.....	5 00

904—Best six or more varieties of Canned Small Fruits, to include Currant, Grape, Blackberry, Raspberry, Strawberry and Gooseberry.....	\$10 00
Second best.....	5 00
905—Largest and most attractive display of Canned Fruits, not to include samples entered for other premiums.....	20 00
Second best.....	10 00
906—Best 10 or more varieties of Preserved Fruits, to include Crab Apple, Quince, Grape, Pear, Strawberry, Cherry and Tomatoes.....	10 00
Second best.....	5 00
907—Best 6 or more varieties Fruit Butter to include Apple, Peach, Pear, Plum, Quince and Crab Apple.....	10 00
Second best.....	5 00
908—Best 6 or more varieties of Jam, to include Blackberry, Currant, Raspberry, Strawberry, Grape and Gooseberry.....	10 00
Second best.....	5 00
909—Best 10 or more varieties of Sour Pickles, to include Cucumber, Cabbage, Onion, Mixed Pickles, Picallilie, Chow Chow, Gherkins, Peaches, Mangoes and Cherries.....	10 00
Second best.....	5 00
910—Best 5 or more varieties of Sauces, Relishes, Catsups, etc., to include Tomato, Walnut and Cucumber Catsups, Cidar Vinegar and Table Sauce.....	10 00
Second best.....	5 00
911—Best exhibition of Preserved Fruits, Vegetables or Animal Substances, without heat, sugar or air-tight jars.....	Dip. S. M.
Second best.....	S. M.
912—Best display of Horticultural Implements, by manufacturer or agent.....	Dip. and \$20 00
Second best.....	10 00

AWARDING COMMITTEE.

Mrs. H. A. Black, Franklin Grove, Lee Co.
Mrs. S. S. Whitehead, Marshall, Clark Co.
Mrs. W. T. Nelson, Wilmington, Will Co.
Mrs. Ben Hagle, Louisville, Clay county.
Mrs. G. W. Cruzen, Paxton, Ford county,

CLASS I.—Fine and Liberal Arts.

JOHN P. REYNOLDS, SUPERINTENDENT.

1. Musical instruments must be exhibited by the manufacturer or his agent.
2. The name of the Artist must be attached to all specimens of Sculpture, Painting, Drawing, etc.
3. Where "Silver Medal or Diploma" is offered, Committees will be particular to note in the Entry Book which they award.

Lot 101—Fine Arts.

- 913—Best specimen of Sculpture .S. M. or Dip.
 914—Best collection of Statuary... " "
 915—Best collection of Sculpture " "
 916—Best Portrait, in oil " "
 917—Best original Oil Painting of an Illinois Landscape.....Dip. & \$30
 Second best.....15
 918—Best Fancy Painting, in oil .S. M. or Dip.
 919—Best Cattle Piece, in oil..... " "
 920—Best Animal Painting, in oil " "
 921—Best Fruit Painting, in oil..... " "
 922—Best collection of five Oil Paintings..... " "
 923—Best specimen Fruit Painting in water colors..... " "
 924—Best specimen Flower Painting, in water colors..... " "
 925—Best specimen Bird painting, in water colors..... " "
 926—Best Portrait, in pastile..... " "
 927—Best portrait, in crayon..... " "
 928—Best Crayon Drawing, other than portrait..... " "
 929—Best plain Photograph..... " "
 930—Best Photograph, in India ink..... " "
 931—Best Photograph, in water colors..... " "
 932—Best Copied Work, touched in India ink..... " "
 933—Best Copied Work, touched in water colors..... " "
 934—Best collection of 12 Stereoscopic Views..... " "
 935—Best Monochromes..... " "
 936—Best Oil - Colored Photograph..... " "
 937—Best Water-Colored Photograph..... " "
 938—Best Porcelain Painting and gilding..... " "
 939—Best Painting on Silk..... " "

AWARDING COMMITTEE.

F. M. Taylor, Belleville, St. Clair county.
 John Hancock, Peoria, Peoria county.
 T. A. E. Holcomb, Cobden, Union county.

M. S. Ellsworth, Wheaton, DuPage county.

Lot 102—Musical Instruments.

- 940—Best Violin.....Dip. or S. M.
 941—Best Bass and Tenor Drums.. " "
 942—Best Pipe Organ..... " "

- 943—Best Reed Organ.....Dip. or S. M.
 944—Best Grand or Semi-Grand Pianoforte..... " "
 945—Best Violincello..... " "
 946—Best Flute..... " "
 947—Best Clarionet and Guitar... " "
 948—Best Boudoir Piano..... " "
 949—Best Square Piano..... " "
 950—Best Brass Band Instruments..... " "
 951—Best Cornet..... " "

AWARDING COMMITTEE.

Edwin D. Wood, Monmouth, Warren Co.
 S. H. Gage, 337 Madison, street, Chicago.
 L. M. Cutting, Jerseyville, Jersey county.
 Ethelbert Kalb, Springfield, Sangamon Co.
 John King, Jacksonville, Morgan county.

Lot 103—Printing, Engraving, Architectural and Mechanical Drawing and Decorative Art Designing.

- 952—Best collection of 5 Chromos..S. M. or Dip.
 953—Best collection of 5 Steel Engravings..... " "
 954—Best specimen Lithography. " "
 955—Best specimen of Copper-plate Engraving..... " "
 956—Best specimen of Seal Engraving..... " "
 957—Best Wood Cut..... " "
 958—Best Pencil Drawing..... " "
 959—Best Pencil Drawing, by boy under 15..... " "
 960—Best Pencil Drawing, by girl under 15..... " "
 961—Best collection of Pencil Drawings..... " "
 962—Best collection of Fresco Drawing..... " "
 963—Best Imitations of Woods and Marbles..... " "
 964—Best Architectural Drawing and Specifications for Farm House and Out Buildings..... " "
 965—Best Drawings, Plans and Specifications for School-House, having reference to heating and ventilation..... " "
 966—Best Exhibit Business Penmanship from Commercial College.....S. M.
 967—Best Exhibit Ornamental Penmanship, from a Commercial College..... "

968—Best Pen Drawing.....	S. M. or Dip.
969—Best Pen Lettering	"
970—Best Course in General Book-Keeping.....	"
970½—Best Course in Farm Book-Keeping.....	"

AWARDING COMMITTEE.

A. E. Smith, Rockford, Winnebago county.
J. D. Bates, Pekin, Tazewell county.
L. D. Adkins, Freeport, Stephenson county.
W. M. Bandy, Danville, Vermillion county.
C. H. Deere, Moline, Rock Island county.

Lot. 104—Wax, Feather, Hair Work, Etc.

971—Best sample Manufactured Sheet Wax.....	S. M. or Dip.
972—Best sample white Wax-work	\$2 00
Second best	1 00
973—Best sample of colored Wax-work ..	2 00
Second best.....	1 00
974—Best sample of Work in Feathers...	2 00
Second best	1 00
975—Best sample of Work in Hair	2 00
Second best	1 00

976—Best Shell Work	2 00
Second best	1 00
977—Best Fancy Worsted Bouquet.....	2 00
Second best	1 00
978—Best Leather Work	2 00
Second best	1 00
979—Best Bead Work	2 00
Second best	1 00
980—Best Mosaic or Paper Mache Work ..	2 00
Second best.....	1 00
981—Best Imitation of Fruits.....	S. M.
982—Best Agricultural Wreath	2 00
Second best	1 00
983—Best Landscape in Moss	S. M.
984—Best Shell-work Wreath.....	2 00
Second best	1 00
985—Best sample of Ornamental Work with Indelible Ornamenting Fluid ..	2 00
Second best	1 00
986—Best collection of Articles above enumerated, shown by one exhibiter ..	10 00

AWARDING COMMITTEE.

Mrs. N. G. James, Greenup, Cumberland Co.
Mrs. O. B. Galusha, Morris, Grundy county.
Mrs. Scott Marshall, Centralia, Marion Co.
Samuel Dorsey, Rutland, LaSalle county.
Mrs. Dr. Bartlett, Virden, Macoupin county.

CLASS K—Textile Fabrics.

E. H. BISHOP, SUPERINTENDENT.

1. All the articles in this class must be the handiwork of the exhibiter, and must have been manufactured within two years, unless otherwise noted.

2. The words "best display" refer in the first place to quality, and in the second place to quantity.

3. Under the general head of Embroidery are included Monograms, Cushions, Handkerchief Boxes, Glove Boxes, Wall Pockets, Suspenders, Letter Cases, Paper Receptacles, Tidies embroidered on different styles of canvass or otherwise, Dressing Cases, and all articles which shall be exclusively Embroidery. Each kind must compete with its kind. Silk Embroidery can not compete with Worsted Embroidery.

4. Articles in this class will be examined Tuesday, September 28th, 1880, commencing at 9 o'clock, A. M.

Lot 105--Mill Fabrics, Etc.

987—Best display of Woolen Goods....	Diploma
988—Best display of Mixed Cotton and Wool.....	"
989—Best display of Cotton Goods....	"
990—Best display of Linen Goods.....	"
991—Best display of Carpets.....	"
992—Best display of Quilts.....	"
993—Best display of Blankets.....	"
994—Best display of Knit Goods.....	"
995—Best display of Silk Goods.....	"

MANUFACTURED GOODS.

996—Best display of Gloves and Mittens.....	"
997—Best display of Brushes.....	"
998—Best display of Fur Robes.....	"
999—Best display of Society Regalias.....	"

AWARDING COMMITTEE.

Alex Donaldson, Maquon, Stark county.
John M. Gill, Murphysboro, Jackson county.

Charles Fox, Hinsdale, DuPage county.
John C. Bagby, Rushville, Schuyler county.

Lot 106--Household Fabrics--All Wool.

1000—Best 10 yards Flannel.....	\$4 00
Second best.....	2 00
1001—Best pair Blankets.....	5 00
Second best.....	3 00
1002—Best display of Yarns.....	3 00
Second best.....	2 00
1003—Best pair Ladies' Stockings.....	3 00
Second best.....	2 00
1004—Best pair Men's Socks.....	3 00
Second best.....	2 00
1005—Best pair Gloves.....	3 00
Second best.....	2 00
1006—Best pair Mittens.....	3 00
Second best.....	2 00

MIXED WOOL AND COTTON.

1007—Best Coverlet.....	\$5 00
Second best.....	3 00
1008—Best 10 yards Jeans.....	5 00
Second best.....	3 00
1009—Best 10 yards Linsey.....	4 00
Second best.....	2 00
1010—Best 10 yards Carpet.....	5 00
Second best.....	3 00
1011—Best 10 yards Rag Carpet.....	5 00
Second best.....	3 00
1012—Best Foot Mats made of Wool.....	3 00
Second best.....	2 00
1013—Best Carpet Warp, spun by Exhibiter.....	2 00
Second best.....	1 00
1014—Best Parlor Rug (Raised-Wool Work).....	3 00
Second best.....	2 00
1015—Best Hearth Rug (Wool).....	3 00
Second best.....	2 00
1016—Best Hearth Rug (Rags).....	3 00
Second best.....	2 00
1017—Best Carriage Mat.....	3 00
Second best.....	2 00

AWARDING COMMITTEE.

W. J. Ellinwood, Chicago, Cook county.
Mrs. Benj. Roodhouse, Carrollton, Greene county.
Mrs. G. B. Marsh, Chicago, Cook county.
John J. Bergen, Virginia, Cass county.
Mrs. W. A. Talcott, Rockford, Winnebago county.

Lot 107--Hand Sewing.

Comprising Plain Garments.

1018—Best Coarse Shirt, unbleached.....	\$3 00
Second best.....	2 00
1019—Best plain Night Dress.....	3 00
Second best.....	2 00
1020—Best Plain Chemise.....	3 00
Second best.....	2 00
1021—Best Calico Dress.....	3 00
Second best.....	2 00

1022—Best pair of Pants.....	\$3 00
Second best.....	2 00
1023—Best Vest.....	3 00
Second best.....	2 00
1024—Best Boy's Suit.....	3 00
Second best.....	2 00
1025—Best specimen Darning and Re- pairing.....	3 00
Second best.....	3 00
1026—Best Kitchen Apron.....	2 00
Second best.....	1 00

AWARDING COMMITTEE.

Mrs. John H. Tyler, DeWitt, DeWitt Co.
Miss Louisa H. Taylor, Freeport, Stephen-
son county.
W. E. Smith, Monticello, Platt county.
Mrs. P. C. Rooney, Franklin Grove, Lee Co.
Mrs. J. Davis, Shelbyville, Shelby county.

**Lot 108--Ornamental Needle
Work.**

1027—Best specimen Braiding.....	\$4 00
Second best.....	2 00
1028—Best Braided Pillow Case.....	3 00
Second best.....	2 00
1029—Best specimen Hemstitching.....	4 00
Second best.....	2 00
1030—Best specimen Silk Embroidery...	4 00
Second best.....	2 00
1031—Best Worsted Embroidery.....	4 00
Second best.....	2 00
1032—Best Cotton Embroidery.....	2 00
Second best.....	1 00
1033—Best Silver Embroidery.....	4 00
Second best.....	2 00
1034—Best Gold Embroidery.....	4 00
Second best.....	2 00
1035—Best Linen Embroidery.....	2 00
Second best.....	1 00
1036—Best Embroidered Cover for Chair.	4 00
Second best.....	2 00
1037—Best Chair Cover, Back and Seat (Wool).....	4 00
Second best.....	2 00
1038—Best Cover for Ottoman.....	4 00
Second best.....	2 00
1039—Best Sofa Pillow.....	4 00
Second best.....	2 00
1040—Best Chair Cushion.....	4 00
Second best.....	2 00
1041—Best Carriage Afghan.....	8 00
Second best.....	4 00
1042—Best Infant Afghan.....	4 00
Second best.....	2 00
1043—Best Infant Robe.....	4 00
Second best.....	2 00
1044—Best Toilet Set, embroidered.....	3 00
Second best.....	2 00
1045—Best Infant Skirt, embroidered.....	3 00
Second best.....	2 00
1046—Best Worsted Tapestry Work.....	3 00
Second best.....	2 00
1047—Best Japanese Tidy.....	2 00
Second best.....	1 00
1048—Best Embroidered Lace Tidy.....	3 00
Second best.....	2 00
1049—Best Embroidered Silk Tidy.....	3 00
Second best.....	2 00
1050—Best Needle Book.....	2 00
Second best.....	1 00
1051—Best Worsted Tapestry Picture...	3 00
Second best.....	2 00
1052—Best specimen Bead Embroidery...	4 00
Second best.....	2 00
1053—Best Stamping for Embroidery.....	2 00
Second best.....	1 00
1054—Best specimen Guipure Lace..	2 00
Second best.....	1 00
1055—Best Embroidered Pillow Case.....	3 00
Second best.....	2 00

1056—Best Chenille Embroidery.....	\$3 00
Second best.....	2 00
1057—Best Braided Shams.....	2 00
Second best.....	1 00

WORK DONE ON MACHINE.

1058—Best specimen Embroidery.....	3 00
Second best.....	2 00
1059—Best specimen Tucking.....	2 00
Second best.....	1 00
1060—Best Specimen Braiding.....	2 00
Second best.....	1 00
1061—Best specimen Quilting.....	2 00
Second best.....	1 00

AWARDING COMMITTEE.

Mrs. J. H. Widney, White Willow, Kendall
county.
Mrs. J. A. Delaney, Centralia, Marion Co.
Mrs. G. B. Gray, Pontiac, Livingston Co.
Mrs. D. B. Gillham, Upper Alton, Madison
county.
Mrs. Washington Cockle, Peoria, Peoria Co.

Lot 109—Fancy Work.

1062—Best Lace Work.....	\$3 00
Second best.....	2 00
1063—Best Drawing on canvass.....	3 00
Second best.....	2 00
1064—Best Lamp Mat.....	2 00
Second best.....	1 00
1065—Best Watch Case.....	2 00
Second best.....	1 00
1066—Best Slipper Case.....	2 00
Second best.....	1 00
1067—Best Card Receiver.....	2 00
Second best.....	1 00
1068—Best Needle Case.....	2 00
Second best.....	1 00
1069—Best Comb Case.....	2 00
Second best.....	1 00
1070—Best Tidy in Wool.....	3 00
Second best.....	2 00
1071—Best Tidy in Cotton.....	3 00
Second best.....	2 00
1072—Best Crochet Work in Worsted.....	2 00
Second best.....	1 00
1073—Best Crochet Work in Cotton.....	2 00
Second best.....	1 00
1074—Best Crochet Work in Linen.....	2 00
Second best.....	1 00
1075—Best Crochet Work in Silk.....	2 00
Second best.....	1 00
1076—Best sample Netting ..	2 00
Second best.....	1 00
1077—Best Pin Cushion.....	2 00
Second best.....	1 00
1078—Best Toilet Cushion.....	2 00
Second best.....	1 00
1079—Best Work Basket.....	2 00
Second best.....	1 00
1080—Best Infant Basket ..	2 00
Second best.....	1 00
1081—Handsome Rag Basket ..	2 00
Second best.....	1 00
1082—Best Card Basket.....	2 00
Second best.....	1 00
1083—Best String Basket ..	2 00
Second best.....	1 00
1084—Best Scrap Basket.....	2 00
Second best.....	1 00
1085—Best Wash-stand Set.....	2 00
Second best.....	1 00
1086—Handsome Air Castle ..	2 00
Second best.....	1 00

AWARDING COMMITTEE.

W. A. Lemma, Carbondale, Jackson county.
Mrs. A. F. Doolittle, Hinsdale, DuPage Co.
Mrs. B. R. Hampton, Macomb, McDonough
county.
Mrs. S. A. Foley, Lincoln, Logan county.

Lot 110—Needle Work.

By girl under 13 years of age.

1087—Best Plain sewing.....	\$2 00
Second best	1 00
1088—Best Fine Shirt, unwashed,	2 00
Second best	1 00
1089—Best Coarse Shirt, unbleached.....	2 00
Second best	1 00
1090—Best Plain Chemise	2 00
Second best	1 00
1091—Best hand-made Calico Dress	2 00
Second best	1 00
1092—Best Patch-work Quilt	2 00
Second best	1 00
1093—Best specimen Darning and Re- pairing	2 00
Second best	1 00
1094—Best sample Braiding	2 00
Second best	1 00
1095—Best Foot Mat, made of rags	2 00
Second best.....	2 00

FANCY WORK.

1096—Best Tidy in Wool.....	\$2 00
Second best	1 00
1097—Best Tidy in Cotton	2 00
Second best	1 00
1098—Best specimen Fancy Netting	2 00
Second best	1 00
1099—Best specimen Tatting	2 00
Second best	1 00
1100—Best Silk Embroidery.....	2 00
Second best	1 00
1101—Best Cotton Embroidery.....	2 00
Second best	1 00
1102—Best Worsted Tapestry	2 00
Second best	1 00
1103—Best Crochet Work	2 00
Second best.....	1 00
1104—Best Cardboard Work	2 00
Second best.....	1 00
1105—Best Lamp Mat	2 00
Second best.....	1 00
1106—Best Toilet Set Embroidered	2 00
Second best.....	1 00
1107—Best Needle Case.....	2 00
Second best	1 00
1108—Best Comb Case	2 00
Second best.....	1 00
1109—Best Button String	2 00
Second best	1 00

KNITTING WORK.

1110—Best pair Men's Socks.....	\$2 00
Second best	1 00
1111—Best pair Ladies' Stockings.....	2 00
Second best.....	1 00
1112—Best pair Mittens	2 00
Second best	1 00
1113—Best pair Gloves.....	2 00
Second best	1 00
1114—Best Scarf	2 00
Second best	1 00
1115—Best Hearth Rug	2 00
Second best	1 00

AWARDING COMMITTEE.

Mrs. Geo. I. King, Jerseyville, Jersey Co.
 Mrs. B. M. Griffith, Springfield, Sangamon
 county.
 Mrs. C. B. Randall, Ashland, Cass county.
 Mrs. E. C. Ayer, Harvard, McHenry county.
 Mrs. J. H. Rowell, Bloomington, McLean
 county.

Lot 111--Quilts and Needle Work.

1116—Best Patchwork and Calico Quilt...	\$4 00
Second best	2 00
1117—Best Patchwork Cloth Quilt	4 00
Second best	2 00
1118—Best Patchwork Silk Quilt	8 00
Second best	4 00
1119—Best White Quilt solid on Muslin...	4 00
Second best	2 00
1120—Best Worsted Quilt	4 00
Second best	2 00
1121—Best Domestic Counterpane	4 00
Second best.....	2 00
1122—Best Crotchet Counterpane	4 00
Second best	2 00
1123—Best Knit Counterpane.....	4 00
Second best	2 00
1124—Best Fine Night Dress	3 00
Second best	2 00
1125—Best Fine Skirt	3 00
Second best	2 00
1126—Best Fine Chemise	3 00
Second best	2 00

AWARDING COMMITTEE.

Mrs. W. H. Brackett, Sterling, Whiteside
 county.
 I. B. Dinges, Decatur, Macon county.
 Mrs. Geo. W. Stone, Princeton, Bureau Co.
 Mrs. W. O. Powell, Kansas, Edgar county.
 Mrs. Joel Armstrong, LaSalle, LaSalle Co.

CLASS L.—Natural History.

JOHN P. REYNOLDS, SUPERINTENDENT.

1. Specimens to be properly classified and scientifically named.
2. Lists of specimens, naming the premium for which entered, must be presented to the Superintendent for the use of the Committee.
3. All articles in this class should be in place by 6 o'clock, P. M., Monday, September 27th, and will be examined Tuesday, September 28, commencing at 9 o'clock A. M.

Lot 112—Taxidermy, Mineralogy and Conchology.

1127—Best collection of Minerals and Fossils.....	\$50 00
Second best	20 00
1128—Best collection Illinois Birds and Mammals of not less than 50 species, to be shown by the taxidermist	40 00
Second best	20 00
1129—Best collection illustrating the Conchology of Illinois, not less than 100 species.....	20 00
Second best	10 00

AWARDING COMMITTEE.

E. L. Stoker, Centralia, Marion county.
 C. O. Barstow, Loda, Iroquois county.
 H. T. Burnap, Upper Alton, Madison county.
 S. P. Cummings, Lewiston, Fulton county.
 W. S. Day, Jonesboro, Union county.

Lot 113—Entomology, Etc.

1130—Best collection of Insects.....	\$30 00
Second best	15 00
1131—Best collection of the Woods of Illinois, not less than 75 varieties	20 00
Second best	10 00

AWARDING COMMITTEE.

M. S. Ellsworth, Wheaton, DuPage county.
 J. C. Pepper, Aledo, Mercer county.
 W. E. Longley, 596 W. Washington street,
 Chicago, Cook county.
 Joseph Robins, Quincy, Adams county.

CLASS M.—Speed.

D. B. GILLHAM, SUPERINTENDENT.

Lot 114---Speed Rings.

The Speed Tests will be under the immediate supervision of the Board, and governed by standard authorities in such matters.

Entries close on Saturday night, September 18th, 1880.

An entrance of 10 per cent. of the purse competed for must be paid at time of making entry.

The Races will be for Mile Heats, except as noted, best three in five, with five to enter and three to start, and open alike to stallions, mares and geldings.

Owners of Horses must furnish at time of making entry the name, age, pedigree and color of the horses entered. If the animal has been entered under another name within two years the former name must be given also.

Thursday Afternoon—3 o'clock.

TROTTING RACE—PURSE, \$200.00.

(To Harness, for Horses that have not beaten 2:40.)

1132—First Premium.....	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

Thursday Afternoon---3 o'clock.

TROTTING RACE—PURSE \$200.00.

(To Harness, for Horses that have not beaten 2:30.)

1133—First Premium.....	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

Friday Afternoon---2 o'clock.

RUNNING RACE—PURSE, \$200.00.

(Open to all ages.)

1134—First Premium.....	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

Friday Afternoon---2 o'clock.

TROTTING RACE—PURSE, \$200.00.

(To Harness, for Horses that have not beaten three minutes.)

1135—First Premium.....	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

Saturday Morning---10 o'clock.

TO HARNESS FREE FOR ALL TROT--PURSE, \$300 00.

1136—First Premium.....	\$175 00
Second Premium.....	95 00
Third Premium.....	30 00

Saturday Morniny---10 o'clock.

RUNNING RACE--PURSE, \$100.00.

(Open to all ages.)

1137—First Premium.....	\$50 00
Second Premium.....	40 00
Third Premium.....	10 00

Saturday Afternoon---2 o'clock.

PACING RACE--PURSE, \$200.00.

(Free for all.)

1138—First Premium.....	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

Saturday Afternoon---2 o'clock.

RUNNING RACE--PURSE, \$100 .00.

(For Two-Year Olds—one-half mile dash.)

1139—First Premium.....	\$ 50 00
Second Premium.....	40 00
Third Premium.....	10 00

Saturday Afternoon---3 o'clock.

RUNNING RACE--PURSE, \$200.00.

(Two Mile Dash—open to all.)

1140—First Premium	\$100 00
Second Premium.....	80 00
Third Premium.....	20 00

CLASS N—Illinois Public School Exhibit.

EMORY COBB, SUPERINTENDENT.

GENERAL DIRECTIONS.

1. All work must be written with pen and ink (except that pencil work will be taken from graded schools, first and second years, and in drawing) upon paper 8 by 11 inches. A margin of $1\frac{1}{4}$ inches must be left for binding.

Papers entered for each premium, except sweepstakes premiums, must be securely bound by themselves with a cover upon which shall be stated the lot and the number of the premium for which they are entered. If they are also entered for sweepstakes premiums, put on the cover "Entered for Sweepstakes." Put also on the cover the number of the district, or name of the school, the township and county from which the papers come, and the name and post-office address of the teacher.

A copy of the questions answered, and text translated, must be bound with each set of papers.

Each set of papers entered for one premium must be the work of not less than three nor more than five different pupils in each branch.

Except as otherwise directed below, each paper must contain the answers to ten questions.

2. Each pupil should write at the beginning of his papers his name, age, postoffice, the date of preparing the paper and the name of his teacher.

3. It is expected that the preparation of the papers will be conducted in the same manner as a written examination—the pupils to have no previous knowledge of the questions given and to receive no assistance during the writing; and that all papers entered for one premium will be prepared at the same time, except that more time may be taken for the drawing and penmanship papers entered for the Sweepstakes for all Schools.

4. All papers for this exhibition may be sent as soon as prepared to Hon. James P. Slade, State Superintendent of Public Instruction, Springfield, Illinois, and he will see that they are properly entered at the fair.

5. For further information address the Secretary of the State Board of Agriculture, or the Superintendent of Public Instruction, Springfield.

Schools in all portions of the State are earnestly solicited to send in specimens of work done by their pupils during the year.

SPECIAL DIRECTIONS.

HIGH SCHOOL—LOT 115. (A)

Papers will not be received in more than one language, one branch of mathematics, and one branch of the natural sciences from the same pupil. That is, if papers in Latin by one pupil are shown, papers in German by the same pupil must not be entered.

The language papers in each language must consist of (1) not less than two or more than three pages of translation by each pupil of some well known author; (2) answers to five questions upon the grammatical construction of the original, and (3) one-half page of translation from English into that language.

To compete for the High School Sweepstakes, a school must enter papers, such as are described above, in two of the languages named, both branches of mathematics, and two of the natural sciences.

GRADED SCHOOLS—LOT 116. (B)

Schools competing for these premiums must show, first year—number-work and writing (5 lines); second year—number-work and spelling (15 words); third year—language and writing (10 lines); fourth year—arithmetic and spelling (20 words); fifth year—language and geography; sixth year—arithmetic and spelling (20 words); seventh year—geography and writing (1 page); eighth year—U. S. history and English grammar.

To enter for the sweepstakes, a school must show work as above indicated for each year, first to eighth inclusive.

COUNTRY SCHOOLS—LOT 117. (C)

Papers in spelling must consist of twenty words ; in writing, one page.

To enter for the sweepstakes, a school must show work as directed in the first six branches named in the list of premiums for country schools.

SWEEPSTAKES FOR ALL PUBLIC SCHOOLS—CLASS D.

Work entered to compete for these premiums must not be entered for other premiums.

Lot 115—(A)—High School Exhibit.

LANGUAGES.

1141—Best German	Diploma and	\$5 00
Second best.....		3 00
1142—Best French.....	Dip. and	5 00
Second best.....		3 00
1143—Best Latin.....	Dip. and	5 00
Second best.....		3 00
1144—Best Greek.....	Dip. and	5 00
Second best.....		3 00

MATHEMATICS.

1145—Best Algebra.....	Dip. and	5 00
Second best.....		3 00
1146—Best Geometry.....	Dip. and	5 00
Second best.....		3 00

NATURAL SCIENCES.

1147—Best Botany.....	Dip. and	5 00
Second best.....		3 00
1148—Best Physiology.....	Dip. and	5 00
Second best.....		3 00
1149—Best Natural Philosophy.....	Dip. and	5 00
Second best.....		3 00
1150—Best Zoology.....	Dip. and	5 00
Second best.....		3 00

SWEEPSTAKES.

1151—Best High School Exhibit.....	Dip. and	\$10 00
Second best.....		5 00
Third best.....		3 00

Lot 116—(B)—Graded School Exhibit.

1152—Best First year work.....	Diploma and	\$5 00
Second best.....		3 00
1153—Best Second year work.....	Dip. and	5 00
Second best.....		3 00
1154—Best Third year work.....	Dip. and	5 00
Second best.....		3 00
1155—Best Fourth year work.....	Dip. and	5 00
Second best.....		3 00
1156—Best Fifth Year work.....	Dip. and	5 00
Second best.....		3 00
1157—Best Sixth Year work.....	Dip. and	5 00
Second best.....		3 00
1158—Best Seventh Year work.....	Dip. and	5 00
Second best.....		3 00
1159—Best Eighth Year work.....	Dip. and	5 00
Second best.....		3 00

SWEEPSTAKES.

1160—Best exhibit for each year, first to eighth inclusive.....	Dip and	\$10 00
Second best.....		5 00
Third best.....		3 00

Lot 117 (C)--Country School Exhibit.

1161—Best Spelling.....	Diploma and	\$ 5 00
Second best.....		3 00
1162—Best Writing.....	Dip. and	5 00
Second best.....		3 00
1163—Best Arithmetic.....	Dip. and	5 00
Second best.....		3 00
1164—Best Geography.....	Dip. and	5 00
Second best.....		3 00
1165—Best Language [English Grammar].....	Dip. and	5 00
Second best.....		3 00
1166—Best United States History.....	Dip. and	5 00
Second best.....		3 00
1167—Best Botany.....	Dip. and	5 00
Second best.....		3 00
1168—Best Physiology.....	Dip. and	5 00
Second best.....		3 00
1169—Best Natural Philosophy.....	Dip. and	5 00
Second best.....		3 00
1170—Best Zoology.....	Dip. and	5 00
Second best.....		3 00

SWEEPSTAKES :

1171—Best Country School Exhibit.....	Dip. and	10 00
Second best.....		5 00
Third best.....		3 00

Lot 118 (D)—Country School Exhibit.

1172—Best set of five papers, one page each of writing, from as many pupils of the same school.....	Diploma and..	\$15 00
Second best.....		7 00
1173—Best set of five drawings from as many pupils of the same school.....	Dip. and	15 00
Second best.....		7 00
1174—To the County Superintendent of the county making the best exhibit of country school work, entered for the premiums offered.....	Diploma	

PROGRAMME FOR WEEK OF STATE FAIR.

COMMENCING MONDAY, SEPTEMBER 27, 1880.

Members of Committees are requested to report for duty to the Superintendents of their respective Departments at 9 o'clock on the day they are to serve, as indicated by the programme. A section of the Amphitheatre has been assigned for the use of members of the Awarding Committees when not on duty,

Monday—First Day—9 o'clock A. M.

	PAGE.
CLASS A—CATTLE.	
Lot 16—Jerseys	11
Lot 13—Holstein	11
Lot 19—Ayrshire.....	12
CLASS B—HORSES.	
Lot 26—Horses for All Work—Stallions and Mares.....	14
Lot 33—Horses for Agricultural Purposes—Stallions and Mares.....	15
Lot 35—Saddle Horses—(Stallions and Mares).....	15
Lot 37—Gentlemen's Driving Horses (Pair Mares—Pair Geldings).....	16
Lot 38—Jacks, Jennets and Mules.....	16
Lot 39—Jacks, Jennets and Mules—Sweepstakes	16
CLASS C—SHEEP.	
Lot 43—Leicester or Lincoln	17
Lot 51—French Merino, etc	19
CLASS D—SWINE.	
Lot 58—Chester White.....	21
Lot 60—Essex	21

Tuesday—Second Day—9 o'clock A. M.

CLASS A—CATTLE.	
Lot 1—Short Horn	9
Lot 4—Hereford	10
Lot 7—Devon	10
Lot 10—Angus.....	10
CLASS B—HORSES.	
Lot 22—Thoroughbred—Stallions and Mares	13
Lot 24—Roadsters, Stallions and Mares.....	13
Lot 26—Horses for All Work—Breeding Ring	14
Lot 28—French Draft—Stallions and Mares	14
Lot 33—Horses for Agricultural Purposes—Breeding Ring	15
Lot 35—Saddle Horses, Geldings.....	15
CLASS C—SHEEP.	
Lot 47—Shropshire Down, etc.....	18
Lot 49—American Merino	18
CLASS D—SWINE.	
Lot 56—Poland China	20
Lot 62—Small Yorkshire	21

THIRD ANNUAL FAT STOCK SHOW.

The Exhibition will be open to the public on Monday, November 15th, at 9 o'clock A. M., and will continue, day and evening, until the following Saturday, 10 o'clock P. M.

GENERAL RULES AND REGULATIONS FOR THE FAT STOCK SHOW OF 1880.

The Exposition Building will be open for the reception of Stock on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibiter's name and address, with age and description of the animal offered.
2. In all thoroughbred classes, authentic pedigrees must be furnished. Statements showing, so far as known, the proportion of improved blood in each animal exhibited in lots for grades or crosses, must be furnished at time of entry.
3. The following fees will be charged, and must accompany applications for entries: For each horse stall, \$5; for each cattle stall, \$2; for each hog or sheep, \$1; for each coop, 50 cents; and for each pen for car lots of hogs or sheep, \$5.
4. Each exhibiter must purchase an *Exhibiter's Ticket*, (\$1.50) when applying for entries (a firm being regarded as one exhibiter). Only one member of the firm will be admitted to the Building on the ticket which entitles the firm to compete.
5. Every animal must be entered for competition in the name of the owner.
6. On the entry of each animal, a card will be furnished the exhibiter, specifying the Class, the number of the Lot, and the number of the entry, which card must remain attached to the animal during the exhibition, except in Classes C, D and E, where the cards must be attached to the pen or coop.
7. Diligence will be used by the officers of the Board to prevent injury to or loss of property, but they will not be responsible for any damage or loss that may occur.

ANIMALS.

1. No animal can be removed until the close of the Exhibition, except for adequate cause, and then only on the order of the General Superintendent.
2. Stock must be in the stalls or pens in the Exposition Building, Chicago, not later than Thursday, November 11, 1880, in order that they may be weighed, numbered and catalogued, previous to the opening of the Show.
3. Cattle must be well halter-broken; and vicious animals will not be admitted to the Building.
4. The animals to be slaughtered will be placed in charge of the Superintendent of the Department in which they are entered, Monday morning of the Show, in order that they may receive the same feed and care until the day of slaughter.
5. Butchers' stock only will be eligible to compete for premiums, and animals that are to be used hereafter for breeding purposes will be excluded from competition.
6. The Superintendent may exclude stock from competition, should there be any unnecessary delay on the part of exhibitors in bringing animals into the Show Ring.
7. The premium in each ring will be awarded to the animal whose dressed carcass is of the highest market value. The dressed carcass to remain the property of the exhibiter.

AWARDING COMMITTEES.

1. Awarding Committees will consist of three for each Lot, and three for class sweepstakes rings.
2. Awarding Committees will commence examination on Monday, November 15th, at 9 o'clock A. M., and continue until awards are completed.
3. No person shall act as judge in any Lot in which he may be an exhibitor, the agent of an exhibitor, or in anywise interested.
4. No animal deemed unworthy shall be awarded a premium; but no premium shall be withheld merely because there is no competition.
5. In case of protest, notice must be given to the Superintendent of Department before or during the examination of the animal or article protested, and a written statement, setting forth the reasons for protesting, verified by affidavit, must be filed with the Secretary on the day the notice is given.
6. In all cases where protests are entered for improper or malicious purposes, the Board will exclude said party protesting from exhibiting for two years thereafter.
7. Any exhibitor who shall tear off a premium ribbon, or authorize another person to do so, in the presence of the Awarding Committee, or shall otherwise insult the Awarding Committee, shall forfeit the premium and be excluded from competition.
8. The judges will report only upon the animals or articles entitled to premiums in the regular list.
9. Judges, in making awards, will consider only animals in good condition for slaughter.
10. All awards shall be made by ballot, without consultation.
11. If a majority of the judges shall not be able to agree in any case, the Superintendent of Department shall at once report the same to the President, who, with any other two members of the Board, shall appoint an additional judge, who shall confine his examination to the animals receiving votes, when the agreement of any two judges shall determine the award.
12. The judges are instructed to award premiums to such animals as present the greatest weight in the smallest superficies—taking into consideration age, the quality of flesh and its distribution in the most valuable portions of the carcass.
13. Awarding Committees are instructed that if they have good reason to believe that any exhibitor, by false entry or otherwise, attempts to deceive the committee or the public, and obtain an award by misrepresentation, they shall report the fact at once to the Superintendent of the Department, who shall immediately instruct the committee that such exhibitor is thenceforth excluded from competition.
14. Each award (and notice of protest, if any are made) must be written in plain, careful manner by the Superintendent. in blank page opposite the entry.
15. The entry books must be returned by the Superintendent of each Department to the Secretary as soon as the awards in each are completed.
16. Great care must be exercised to preserve the Awarding Committees' books, and the awards must be entered as above, in a plain, legible manner, in the proper place, as the premiums will be paid on authority of these entries only.
17. Superintendents will be particular to observe the following: *Blue Ribbons* are designed for first premiums; *Red Ribbons* for second premiums.
18. Decisions of Awarding Committees shall be final, except in cases of fraud and protests.
19. Any exhibitor attempting to interfere with judges during their adjudications, will be promptly excluded from competition.

AUDITING COMMITTEE.

1. The Auditing Committee will have charge of the gates and tickets.
2. *All bills against the State Board must be made in detail*; and all bills contracted during the show, or in immediate preparation therefor must be certified by the Superintendent on whose order the service or material was furnished, and must be approved and signed by a majority of the Auditing Committee, before they can be paid by the Treasurer.

GENERAL SUPERINTENDENT.

1. The General Superintendent will have charge of the Building and police. He will have an efficient Police force on duty day and night, and will assign such number of Policemen to the Superintendents of Departments, as they may require.

SUPERINTENDENT OF STALLS AND FORAGE.

1. The Superintendent of Forage and Stalls will designate the hours of delivery of feed, forage and bedding for animals on exhibition, which can be obtained on application to him at reasonable rates. Stalls and pens must be cleaned before 8 o'clock A. M., and again between the hours of 5 and 7 P. M., each day.

ADMISSION FEES.

1. Exhibitor's tickets, good during the show, \$1.50. Tickets admitting one person once, 25 cents. Tickets admitting children under twelve years old, 15 cents.

CLASS A.—CATTLE.

SAMUEL DYSART, SUPERINTENDENT.

The Exposition building will be open for the reception of stock on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibitor's name and address, with age and description of the animal offered.
2. In all thoroughbred classes, recorded pedigrees or such as are eligible to record, must be furnished at time of entry. Statements showing the proportion of improved blood in each animal exhibited in lots for grades or crosses, must be furnished at time of entry.
3. The following fees will be charged and must accompany applications for entries: For each horse stall, \$5 00; for each cattle stall, \$2 00; for each hog or sheep, \$1 00; for each coop, 50 cents; and for each pen for car-lots of hogs or sheep \$5 00.
4. Each exhibitor must purchase an exhibitor's ticket (\$1 50) when applying for entries, a firm being regarded as one exhibitor; only one member of the firm will be admitted to the building on the ticket which entitles the firm to compete.
5. Cattle must be in their stalls in the Exhibition Building, Chicago, not later than Thursday, November 11, 1880, in order that they may be weighed, numbered and catalogued previous to the opening of the show.
6. Cattle must be well halterbroken, and vicious animals will not be admitted to the building.
7. The animals to be slaughtered will be placed in charge of the Superintendent of Department in which they are entered, Monday morning of the Show, in order that they may receive the same feed and care until the day of slaughter.
8. The bullocks for slaughter will be killed, dressed and weighed under direction of the Awarding Committee. The premium in each ring will be awarded that bullock whose dressed carcass is of the highest market value in proportion to live weight. The dressed carcass to remain the property of the exhibitor.
9. Animals competing for premiums in Lot 10, Heaviest Fat Steer, will be kept off of feed and water twelve hours before making the award, by the Superintendent of the Department.
10. Butcher's stock only will be eligible to compete for premiums, and animals that are to be used hereafter for breeding purposes will be excluded from competition.
11. Cattle shown in Lot 8, Car loads, to weigh at the Exposition Building as follows: Steers three and under four years, not less than 1,700 pounds each; steers two and under three years, not less than 1,500 pounds each; steers one and under two years, not less than 1,300 pounds each.
12. All awards shall be made by ballot without consultation.

Lot 1—Shorthorns—Thoroughbreds

Best Steer 3 and under 4 years.....	\$25 00
Second best.....	15 00
Best Steer 2 and under 3 years.....	25 00
Second best.....	15 00
Best Steer 1 and under 2 years.....	25 00
Second best.....	15 00
Best Cow 3 years old or over.....	25 00
Second best.....	15 00

Lot 2—Hereford—Thoroughbreds.

Best steer 3 and under 4 years.....	\$25 00
Second best.....	15 00
Best Steer 2 and under 3 years.....	25 00
Second best.....	15 00
Best Steer 1 and under 2 years.....	25 00
Second best.....	15 00
Best Cow 3 years old or over.....	25 00
Second best.....	15 00

Lot 3—Devons—Thoroughbreds.

Best Steer 3 and under 4 years.....	\$25 00
Second best.....	15 00
Best Steer 2 and under 3 years.....	25 00
Second best.....	15 00
Best Steer 1 and under 2 years.....	25 00
Second best.....	15 00
Best Cow 3 years old or over.....	25 00
Second best.....	15 00

Lot 4—Other Pure Beef Breeds (not named.)

Best Steer 3 and under 4 years.....	\$25 00
Second best.....	15 00
Best Steer 2 and under 3 years.....	25 00
Second best.....	15 00

Best Steer 1 and under 2 years.....	25 00
Second best.....	15 00
Best Cow 3 years old or over.....	25 00
Second best.....	15 00

Lot 5—Grades or Crosses.

Best Steer 3 and under 4 years.....	\$25 00
Second best.....	15 00
Best Steer 2 and under 3 years.....	25 00
Second best.....	15 00
Best Steer 1 and under 2 years.....	25 00
Second best.....	15 00
Best Cow 3 years old or over.....	25 00
Second best.....	15 00

Lot 6—Sweepstakes Rings.

Open to all.

Best Steer 3 and under 4 years.....	\$50 00
Best Steer 2 and under 3 years.....	50 00
Best Steer 1 and under 2 years.....	50 00
Best Cow 3 years old or over.....	50 00

Lot 7—Grand Sweepstakes.

Open to all.

Best Steer or Cow in the show.....	\$100 00
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Lot 8—Car Loads.

Best lot of 8 cattle 3 and under 4 years	
old.....	\$150 00
Second best.....	75 00
Best lot of 10 cattle 2 and under 3 years	
old.....	150 00
Second best.....	75 00
Best lot of 12 cattle 1 and under 2 years	
old.....	150 00
Second best.....	75 00

Lot 9—Dressed Bullocks.

Not less than two entries in each ring will be considered—only one entry for each premium can be made by the same exhibitor.

Steer 3 and under 4 years.....	\$50 00
Steer 2 and under 3 years	50 00
Steer 1 and under 2 years.....	50 00

Lot 10—Heaviest Fat Steer.

Open to all ages.

First premium.....	\$75 00
Second premium.....	50 00

Lot 11—Early Maturity.

Steer showing greatest average gain per day since birth.

Steer 3 and under 4 years, silver cup, value.....	\$25 00
Steer 2 and under 3 years, silver cup, value.....	25 00
Steer 1 and under 2 years, silver cup, value.....	25 00

CLASS B.—HORSES.

JOHN LANDRIGAN, SUPERINTENDENT.

The Exposition Building will be open for the reception of Stock, on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibitor's name and address, with description of the animal offered.

2. In all thoroughbred classes, authentic pedigrees must be furnished. Statements showing the proportion of improved blood in each animal exhibited in lots for grades or crosses, must be furnished at the time of entry.

3. The following fees will be charged, and must accompany applications for entries: For each horse stall, \$5 00; for each cattle stall, \$2 00; for each hog or sheep, \$1 00; for each coop, 50 cents; and for each pen for car lots of hogs or sheep, \$5 00.

4. Each exhibitor must purchase an exhibitor's ticket, (\$1 50), when applying for entries, a firm being regarded as one exhibitor, only one member of the firm will be admitted to the building on the ticket.

Lot 12—For Horses on Exhibition.

No premiums will be awarded to Horses, nor examination made by committee, but every facility will be afforded for exhibition.

No exhibitor will be permitted to show more than two horses.

CLASS C.—SHEEP.

D. W. VITUM, JR., SUPERINTENDENT.

The Exposition Building will be open for the reception of Stock on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibitor's name and address, with description of the animal offered.

2. In all thoroughbred classes, authentic pedigrees, must be furnished. Statements showing the proportion of improved blood in each animal exhibited in lots for grades and crosses, must be furnished at the time of entry.

3. The following fees will be charged, and must accompany applications for entries: For each horse stall, \$5 00; for each cattle stall, \$2 00; for each hog or sheep, \$1 00; for each coop, 50 cents; and for each pen for car lots of hogs or sheep, \$5 00.

4.—Each exhibitor must purchase an exhibitor's ticket, (\$1 50) when applying for entries, a firm being regarded as one exhibitor; only one member of the firm will be admitted to the building on the ticket which entitles the firm to compete.

5. Sheep must be in their pens in the Exposition Building, Chicago, not later than Thursday, November 11, 1880, in order that they may be weighed, numbered and catalogued previous to the opening of the Show.

6. Sheep to be slaughtered will be placed in charge of the Superintendent of the Department (Class C), Monday morning of the Show in order that they may receive the same feed and care until the day of slaughter. The sheep entered for slaughter will be killed, dressed and weighed under direction of the awarding committee. The premium in each ring will be awarded to the sheep whose dressed carcass is of the highest market value in proportion to live weight. The dressed carcass to remain the property of the exhibitor.

7. Animals competing for premiums in Lot 19—Heaviest Fat Sheep—will be kept off of feed and water twelve hours before making the award.

8. Butchers' stock only will be eligible to compete for premiums, and animals that are to be used hereafter for breeding purposes will be excluded from competition.
9. All awards shall be made by ballot without consultation.

Lot 13—Long Wools.

WETHERS.

Best Wether 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Wether 1 and under 2 years.....	10 00
Second best.....	5 00
Best Wether under 1 year.....	10 00
Second best.....	5 00

EWES.

Best Ewe 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Ewe 1 and under 2 years.....	10 00
Second best.....	5 00
Best Ewe under 1 year.....	10 00
Second best.....	5 00

Lot 14—Middle Wools.

WETHERS.

Best Wether 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Wether 1 and under 2 years.....	10 00
Second best.....	5 00
Best Wether under 1 year.....	10 00
Second best.....	5 00

EWES.

Best Ewe 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Ewe 1 and under 2 years.....	10 00
Second best.....	5 00
Best Ewe under 1 year.....	10 00
Second best.....	5 00

Lot 15—Fine Wools.

WETHERS.

Best Wether 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Wether 1 and under 2 years.....	10 00
Second best.....	5 00
Best Wether under 1 year.....	10 00
Second best.....	5 00

EWES.

Best Ewe 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Ewe 1 and under 2 years.....	10 00
Second best.....	5 00
Best Ewe under 1 year.....	10 00
Second best.....	5 00

Lot 16—Grades or Crosses.

WETHERS.

Best Wether 2 and under 3 years.....	\$10 00
Second best.....	5 00

Best Wether 1 and under 2 years.....	10 00
Second best.....	5 00
Best Wether under 1 year.....	10 00
Second best.....	5 00

EWES.

Best Ewe 2 and under 3 years.....	\$10 00
Second best.....	5 00
Best Ewe 1 and under 2 years.....	10 00
Second best.....	5 00
Best Ewe under 1 year.....	10 00
Second best.....	5 00

Lot 17—Sweepstakes.

Open to all.

WETHERS.

Best Wether 2 and under 3 years.....	\$25 00
Best Wether 1 and under 2 years.....	25 00
Best Wether under 1 year.....	25 00

EWES.

Best Ewe 2 and under 3 years.....	25 00
Best Ewe 1 and under 2 years.....	25 00
Best Ewe under 1 year.....	25 00

Lot 18—Grand Sweepstakes.

Open to all.

Best Wether or Ewe in the show.....	\$30 00
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Lot 19—Heaviest Fat Sheep.

Open to all.

Wether or Ewe, any age.....	\$50 00
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Lot 20—Car Loads.

Best car-load 30 Fat Wethers 2 and under 3 years.....	\$60 00
Second best.....	30 00

Lot 21—Dressed Sheep.

Not less than two entries will be considered in each ring, and only one entry for each premium can be made by the same exhibitor.

Wether 2 and under 3 years.....	Silver Medal
Wether 1 and under 2 years.....	" "
Wether under 1 year.....	" "
Ewe 2 and under 3 years.....	" "
Ewe 1 and under 2 years.....	" "
Ewe under 1 year.....	" "

CLASS D.—SWINE.

WM. VOORHIES, JR., SUPERINTENDENT.

The Exposition Building will be open for the reception of Stock on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibitor's name and address, with description of the animal offered.

2. In all thoroughbred classes, authentic pedigrees must be furnished. Statements showing the proportion of improved blood in each animal exhibited in lots for grades or crosses, must be furnished at time of entry.

3. The following fees will be charged, and must accompany applications for entries: For each horse stall, \$5 00; for each cattle stall, \$2 00; for each hog or sheep, \$1 00; for each coop, 50 cents; and for each pen for car lots of hogs or sheep, \$5 00.

4. Hogs must be in their pens in the Exposition Building, Chicago, not later than Thursday, November 11, 1880, in order that they may be weighed, numbered and catalogued previous to the opening of the Show.

5. Animals competing in Lot 29, Heaviest Fat Hog, will be kept off of feed and water twelve hours before making the award.

6. All awards shall be made by ballot without consultation.

7. Butchers' stock only will be eligible to compete for premiums, and animals that are to be used hereafter for breeding purposes, as well as "stags and piggy sows," will be excluded from competition.

8. Each exhibitor must purchase an exhibitor's ticket (\$1 50) when applying for entries, a firm being regarded as one exhibitor, only one member of the firm will be admitted to the building, on the ticket which entitles the firm to compete.

Lot 22—Berkshires.

BARROWS.

Best Barrow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Barrow under 1 year.....	10 00
Second best.....	5 00

SOWS.

Best Sow 1 and under 2 years.....	10 00
Second best.....	5 00
Best Sow under 1 year.....	10 00
Second best.....	5 00

Lot 23—Poland China.

BARROWS.

Best Barrow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Barrow under 1 year.....	10 00
Second best.....	5 00

SOWS.

Best Sow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Sow under 1 year.....	10 00
Second best.....	5 00

Lot 24—Chester Whites.

BARROWS.

Best Barrow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Barrow under 1 year.....	10 00
Second best.....	5 00

SOWS.

Best Sow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Sow under 1 year.....	10 00
Second best.....	5 00

Lot 25—Essex.

BARROWS.

Best Barrow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Barrow under 1 year.....	10 00
Second best.....	5 00

SOWS.

Best Sow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Sow under 1 year.....	10 00
Second best.....	5 00

Lot 26—Grades and Crosses.

BARROWS.

Best Barrow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Barrow under 1 year.....	10 00
Second best.....	5 00

SOWS.

Best Sow 1 and under 2 years.....	\$10 00
Second best.....	5 00
Best Sow under 1 year.....	10 00
Second best.....	5 00

Lot 27—Sweepstakes.

Open to all.

BARROWS.

Best Barrow 1 and under 2 years.....	\$25 00
Best Barrow under 1 year.....	25 00

SOWS.

Best Sow 1 and under 2 years.....	\$25 00
Best Sow under 1 year old.....	25 00

Lot 28—Grand Sweepstakes.

Open to all.

Best Barrow or Sow in the Show.....	\$50 00
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Lot 29—Heaviest Fat Hog.

Open to all.

Heaviest Barrow or Sow any age.....	\$50 00
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Lot 30—Car Loads.

Best car load 30 Fat Barrows one and under 2 years.....	\$50 00
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CLASS E. — POULTRY.

H. D. EMERY, SUPERINTENDENT.

1. The Exposition Building will be open for the reception of stock on Wednesday, the 10th day of November, 1880.

ENTRIES.

1. Must be made on or before November 1st, by application to the Secretary, at Springfield, who will furnish blank applications on which to specify exhibiter's name and address, with description of the animal offered.
2. In all thoroughbred classes, authentic pedigrees must be furnished. Statements showing, so far as known, the proportion of improved blood in each animal exhibited in lots for grades or crosses, must be furnished at time of entry.
3. The following fees will be charged and must accompany applications for entries: For each horse stall, \$5 00; for each cattle stall, \$2 00; for each hog or sheep, \$1 00; for each coop, 50 cents; and for each pen for car lots of hogs or sheep, \$5 00.
4. Each exhibiter must purchase an exhibiter's ticket (\$1 50) when applying for entries—a firm being regarded as one exhibiter. Only one member of the firm will be admitted to the building on the ticket which entitles the firm to compete.
5. All awards shall be by ballot without consultation.
6. Coops should be of the following dimensions: For Turkeys and Geese, $3\frac{1}{2}$ feet high; 3 feet wide, 4 feet long; fowls, 23 inches high, 20 inches wide and 30 inches long.

Lot 24—Fat Poultry.

(Alive.)

Best Turkey Cock.....	\$5 00
Best Turkey Hen	5 00
Best Gander	5 00
Best Goose	5 00
Best Cock	5 00
Best Hen.....	5 00
Best Capon.....	5 00
Best Drake	5 00

Best Duck..... \$5 00

FAT POULTRY.

Best display of Live Fat Poultry..... 20 00

Lot 25—Wild Game.

(Birds and Animals.)

Best display of dead Game, varieties to be labeled with correct names..... 25 00

CLASS F. — MECHANICS.

J. M. EPLER, SUPERINTENDENT—Section 1.

W. M. SMITH, SUPERINTENDENT—Section 2.

Lot 26—Machines, Implements and Utensils.

Manufacturers and dealers in Implements, Utensils and other objects used in connection with butchering live stock, packing meats and dairying in all its branches, will be given all available space by paying five dollars each as an entry fee, and obtaining the necessary permit from the auditing committee.

SPECIAL PREMIUMS.

CLASS A.—CATTLE.

LOT 1—SHORTHORNS—THOROUGHBREDS.

Best Steer three and under four years :

Western Rural, Chicago, copy W. R. 1 year (\$1 65), cash \$8 00 \$9 65

LOT 2—HEREFORD—THOROUGHBREDS.

Best Steer three and under four years :

Western Rural, Chicago, copy W. R. 1 year (\$1 65), cash \$8 00 9 65

LOT 5—GRADES OR CROSSES.

Best Steer three and under four years :

American Stockman, Chicago..... 25 00

Best Steer two and under three years :

American Stockman, Chicago 25 00

LOT 6—SWEEPSTAKES RINGS.

Best Steer three and under four years :

Howe Scale Co., Chicago, Bullock Scale, 2000 lbs capacity, value..... 110 00

Best Steer two and under three years :

Prairie Farmer Co., Chicago 50 00

Best Steer one and under two years :

Farmers' Review Co., Chicago, Gold Medal, value 50 00

LOT 7—GRAND SWEEPSTAKES.

Best Beef Animal, any age or bred :

*National Live Stock Journal Co., Chicago, Challenge Cup, value..... 100 00

CLASS C.—SHEEP.

LOT 17—SWEEPSTAKES RINGS.

Best Wether two and under three years :

Drovers' Journal, Chicago..... \$25 00

Best Ewe two and under three years :

Western Agriculturist, Quincy..... 10 00

LOT 18—GRAND SWEEPSTAKES.

Best Fat Sheep any age or breed :

*National Live Stock Journal Co., Chicago, Challenge Cup, value.....\$50 00

CLASS D. — SWINE.

LOT 22—BERKSHIRES.

Best Barrow one and under two years :

Western Rural, Chicago, copy W. R. 1 year (\$1 65), cash \$5 00..... \$6 65

Best Barrow under one year :

American Berkshire Association, Springfield..... \$25 00

LOT 23—POLAND CHINA.

Best Barrow one and under two years.

Western Rural, Chicago, copy W. R. 1 year (\$1 65), cash \$5 00..... \$6 65

LOT 24—CHESTER WHITE.

Best Barrow one and under two years.

Western Rural, Chicago, copy W. R. 1 year (\$1 65), cash \$5 00..... \$6 65

LOT 25—ESSEX.

Best Barrow one and under two years.

Western Agriculturist, Quincy..... \$10 00

LOT 28—GRAND SWEEPSTAKES.

Best Fat Hog any age or breed.

*National Live Stock Journal Co., Chicago, Challenge Cup, value..... \$50 00

CLASS E. — POULTRY.

Best Turkey Cock.

Western Rural, Chicago, copy W. R. one year (\$1 65), cash \$3 00..... \$4 65

Best Capon.

American Poultry Journal, Chicago Set of Caponizing Instruments.

*National Live Stock Journal, in 1878, offered Challenge Cups named above upon these conditions : The person winning this challenge plate next December will be entitled to hold it for one year. when it must be returned to be again subject to competition, and when won by the same person two years in succession, or any three years, it will become his absolute property.

DONATIONS.



The following subscriptions have been made in Chicago to the General Premium Fund of the Fat Stock Show for 1880.

Union Stock Yards and Transit Company	\$1000 00
Pork Packers' Association	625 00
Woods Bros.	100 00
C. H. Horine.	25 00
McCurdy & Beveridge.	25 00
Gregory, Cooley & Co.	50 00
Parmalle, Hannah & Scott.	25 00
March, Darlington & Co.	40 00
Adams & Eldridge.	50 00
Geo. Adams, Burke & Bro.	50 00
Wm. Young & Co.	100 00
James Jackson.	50 00
Shannon Bros.	50 00
R. Strahorn & Co.	50 00
J. Rosenbaum.	25 00
Hall, Patterson & Co.	50 00
R. M. Conger.	25 00
Holmes & Beckett.	25 00
Harley, Green & Co.	40 00
Abner Pyatt.	25 00
Elliot & Musgove.	5 00
Bensley & Wagner.	25 00
Nelson Morris.	25 00
Grand Pacific Hotel.	150 00
Tremont House.	50 00
Gardner House.	25 00
Atlantic Hotel.	25 00
J. V. Farwell & Co.	200 00
Field, Leiter & Co.	150 00
C. M. Henderson.	50 00
Keith Bros.	25 00
O. R. Keith.	25 00
John Ford.	25 00
Sloan Bros. & Co.	25 00
L. Adams & Co.	15 00
F. W. Bipper.	10 00

LIST OF PREMIUMS

TO BE AWARDED AT THE

WINTER MEETING OF THE BOARD

Commencing on the First Tuesday in January, 1881.

All articles designed for exhibition at the Winter Meeting should be sent to the rooms of the Department at Springfield, (charges prepaid), on or before the first Tuesday of January, 1881.
Displays taking *premiums* will become the property of the Department.

DISPLAYS.

GRAINS, VEGETABLES, FRUIT, ETC.

For the best and largest display of Grains, Seeds, Vegetables, Dairy Products, etc., by County, Union or District Agricultural Association or Club—

First premium.....	\$75 00
Second premium.....	50 00

For the best and largest display of Green Fruits, Wines, Cider, Vinegar, etc., etc., by County, Union, District or Horticultural Association or Club, or any individual—

First premium.....	\$75 00
Second premium.....	50 00

Best 100 pounds Sorghum or Corn-stalk Sugar, made in Illinois, by vacuum boiling.....	20 00
Best 100 pounds Sorghum or Corn-stalk Sugar, made in Illinois, in open pan	20 00
Best 5 gallons of Sorghum or Corn-stalk Syrup, made in Illinois	10 00

ROAD MAKING.

To the Township that shall Grade, Ditch and complete the greatest number of miles of earth road during the year 1880, cost to be considered.....100 00

Statements, on blanks furnished by the Department, to be made to the Secretary of the Board, by the first Monday in January, 1881, giving full information on the following points: Soil; sub-soil; methods applied in construction; original elevation of road-bed; elevation of graded road, width of finished road-bed; width of graded road-bed; width of berme; slope, width and depth of ditches, and system of discharge—with the cost of the same.

The whole to be verified by affidavit of the Road Commissioner of the Township, or three Supervisors of any county not under Township Organization.

FARM DRAINAGE.

Best Tiled Drained Farm of not less than 80 acres.....	\$100 00
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Statement to be made to the Secretary of the Board by the first Monday in January, 1881, giving locality, number of acres drained, character of soils and subsoils, diagram showing the entire system of tile laid, with sizes used, grades showing depth laid, cost of several sizes tile per thousand feet at the farm, cost of ditching per foot, and total cost itemized.

FAIRS IN ILLINOIS IN 1880.

COUNTIES.	Place of Fair.	Time of Fair.	President.	Secretary.
Adams.....	Camp Point.....	Aug. 30 to Sept. 3.....	Philip S. Judy.....	Richard Seaton.
Adams.....	Quincy.....	August 24—27.....	W H Brackenridge.	J. J. McDonnold.
Alexander.....	.....	September 13—16.....	Elijah Dee.....	C. P. Bascomb.
Bond.....	Belvidere.....	September 7—10.....	Richard Barnes.....	A. E. Jenner.
Boone.....	Mt. Sterling.....	August 24—27.....	W H Brackenridge.	J. J. McDonnold.
Brown.....	Princeton.....	September 13—16.....	Elijah Dee.....	C. P. Bascomb.
Bureau.....	.....	.....	.....	.....
Calhoun.....	.....	.....	.....	.....
Carroll.....	Mt. Carroll.....	Sept. 28 to Oct. 1.....	H. C. Blake.....	Don R. Frazer.
Cass.....	Virginia.....	August 17—20.....	J. T. Stribling.....	R. W. Rabourn.
Champaign.....	Champaign.....	September 21—24.....	E. E. Chester.....	H. J. Dunlap.
Christian.....	Taylorville.....	No fair this year.....	John B. Ricks.....	W. A. Goodrich.
Clark.....	Marshall.....	September 22—24.....	Wm. T. Martin.....	J. W. Anderson.
Clay.....	Flora.....	Sept. 28 to Oct. 2.....	J. I. McCawley.....	B. B. Thomas.
Clay.....	Louisville.....	.....	.....	.....
Clinton.....	.....	.....	.....	.....
Coles.....	Charleston.....	September 7—11.....	S. D. Dole.....	R. S. Hodgen.
Cook.....	.....	.....	.....	.....
Crawford.....	Robinson.....	Sept. 28 to Oct. 1.....	Wm. Updike.....	L. V. Chaffee.
Cumberland.....	Prairie City.....	Sept. 29 to Oct 2.....	Wm. N. Berry.....	Geo. Bruster.
DeKalb.....	Sandwich.....	September 14—17.....	F. Baldwin.....	B. F. Wyman.
DeKalb.....	Sycamore.....	September 14—17.....	Hiram Holcomb.....	J. M. Hummel.
DeKalb.....	DeKalb.....	.....	J. B. Glidden.....	S. O. Vaughn.
DeWitt.....	Clinton.....	Aug. 30 to Sept. 3.....	James A. Wilson.....	Lewis Campbell.
Douglas.....	Tuscola.....	September 14—18.....	C. Bright.....	Chas. G. Eckhart.
DuPage.....	Wheaton.....	September 8—10.....	Luther Bartlett.....	T. M. Hull.
Edgar.....	Paris.....	Aug. 31 to Sept. 3.....	W. O. Wilson.....	Walter Booth.
Edwards.....	Albion.....	Sept. 28 to Oct. 1.....	John Curtis.....	Morris Emmerson.
Effingham.....	Effingham.....	August 17—20.....	E. H. Bishop.....	G. M. LeCrone.
Fayette.....	Vandalia.....	Sept. 29 to Oct. 1.....	.....	D. M. Clark.
Ford.....	Paxton.....	Aug. 31 to Sep. 3.....	A. Croft.....	W. McTaggart.
Ford.....	Gibson City.....	.....	.....	.....
Franklin.....	Benton.....	Sept. 22—25.....	Wm. A. King.....	W. C. Phipps.
Fulton.....	Canton.....	October 4—8.....	Inman Blackaby.....	C. A. Emry.
Fulton.....	Avon.....	Sept. 28 to Oct. 1.....	D. H. Gorham.....	A. B. Tompkins.
Gallatin.....	Shawneetown.....	October 5—8.....	M. M. Pool.....	John L. Robinson.
Greene.....	Carrollton.....	October 19—22.....	Geo. W. Davis.....	N. J. Andrews.
Grundy.....	Morris.....	.....	.....	.....
Hamilton.....	McLeansboro.....	September 22—25.....	E. M. Bowers.....	James F. Leslie.
Hancock.....	Carthage.....	.....	.....	.....
Hardin.....	Elizabethtown.....	September 22—25.....	C. M. Perrell.....	L. F. Twitchell.
Henderson.....	Biggsville.....	September 14—17.....	H. M. Whiteman.....	R. A. McKinley.
Henry.....	Cambridge.....	Aug. 30 to Sept. 3.....	N. C. Gilbert.....	R. H. Hinman.
Iroquois.....	Onarga.....	September 7—10.....	D. C. Brown.....	J. E. Owen.
Iroquois.....	Watseka.....	.....	.....	.....
Jackson.....	Murphysboro.....	September 21—24.....	Philip Kimmel, Sr.....	John W. Grear.
Jasper.....	Newton.....	September 21—24.....	John Mason.....	Wm. E. Barrett.
Jefferson.....	Mt. Vernon.....	October 12—15.....	Jesse A. Dees.....	J. S. Bogan.
Jersey.....	Jerseyville.....	October 12—15.....	Joseph M. Conklin.....	Morris R. Locke.
Jo Daviess.....	Galena.....	Sept. 28 to Oct. 1.....	S. S. Brown.....	Frank Bostwick.
Jo Daviess.....	Warren.....	September 14—17.....	Robert Hawley.....	Joseph Hicks.
Johnson.....	.....	.....	.....	.....
Kane.....	Elgin.....	September 14—17.....	H. Lee Borden.....	R. P. McGlinicy.
Kane.....	Aurora.....	.....	.....	.....
Kankakee.....	Kankakee.....	.....	.....	.....
Kendall.....	Bristol.....	September 7—9.....	H. D. Worcester.....	H. S. Bloom.
Knox.....	Knoxville.....	September 13—17.....	John S. Seely.....	A. N. Beebe.
Knox.....	Galesburg.....	.....	J. V. N. Standish.....	J. L. Rynearson.
Lake.....	Libertyville.....	September 23—25.....	W. H. Appley.....	E. B. Messer.
Lake.....	Waukegan.....	Sept. 27 to Oct. 2.....	John F. Powell.....	C. A. Patridge.
LaSalle.....	Ottawa.....	September 6—10.....	James H. Pickens.....	A. M. Hoffman.
Lawrence.....	Lawrenceville.....	October 6—9.....	J. W. Whittaker.....	Daniel L. Gold.
Lee.....	Amboy.....	.....	.....	.....
Livingston.....	Pontiac.....	.....	.....	.....
Livingston.....	Fairbury.....	September 6—10.....	R. C. Straight.....	H. L. Bruce.
Logan.....	Lincoln.....	August 23—28.....	Joseph Ream.....	A. B. Nicholson.
Logan.....	Atlanta.....	September 7—10.....	Frank Hoblit.....	J. P. Hieronymus.

COUNTIES.	ace of Fair.	Time of Fair.	President.	Secretary.
Macon.....	Decatur.....	September 21—25.....	John R. Miller....	Milton B. Thomas.
Macoupin.....	Carlinville.....	September 7—10.....	Joseph Bird.....	F. W. Crouch.
Madison.....	Salem.....	No Fair this year.....	J. J. Bennett.....	H. C. Feltman.
Marion.....	Centralia.....	September 21—24.....	M. C. Kell.....	J. N. Kerr.
Marshall.....	Henry.....	Sept. 27 to Oct. 1.....	John O. Dent.....	Geo. G. McAdam.
Marshall.....	Wenona.....	September 7—10.....	J. F. Kelsey.....	Sam. F. Kyle.
Mason.....	Havana.....	October 13—16.....	J. C. Willis.....	J. M. Stone.
Massac.....	Metropolis.....	August 24—28.....	W. O. Blaisdell.....	W. H. Hainline.
McDonough.....	Macomb.....	.....	.....	.....
McDonough.....	Bushnell.....	September 7—10.....	T. McD. Richards.	W. H. Stewart.
McHenry.....	Woodstock.....	September 14—17.....	L. W. Sheldon.....	J. S. Rogers.
McHenry.....	Marengo.....	Aug. 31 to Sept. 3.....	Duncan M. Funk.....	J. T. Didlake.
McLean.....	Bloomington.....	Aug. 31 to Sept. 3.....	David Grant.....	Robert S. Carter.
Menard.....	Petersburg.....	September 20—23.....	James Feather.....	C. F. Durston.
Mercer.....	Aledo.....	.....	.....	.....
Monroe.....	.....	.....	Wm. H. Brewer.....	A. H. Brown.
Montgomery.....	Hillsboro.....	.....	.....	.....
Montgomery.....	Litchfield.....	.....	.....	.....
Morgan.....	Jacksonville.....	August 23—27.....	F. M. Morton.....	J. M. Dunlap.
Moultrie.....	Sullivan.....	September 14—17.....	O. A. Sargent.....	G. W. Vaughn.
Ogle.....	Oregon.....	September 21—24.....	J. H. Cartwright.....	H. P. Lason.
Ogle.....	Rochelle.....	September 6.....	Wm. Stocking.....	Geo. W. Clark.
Peoria.....	Peoria.....	.....	Nelson Burnham.....	Roswell Bills.
Perry.....	Pinckneyville.....	October 5—8.....	W. K. Murphy.....	L. M. Kane.
Piatt.....	Monticello.....	August 16—20.....	Jesse W. Warner.....	L. M. Peters.
Pike.....	Pittsfield.....	September 22—25.....	Allen C. Rush.....	James H. Crane.
Pope.....	Golconda.....	October 7—9.....	John Allen.....	J. E. Y. Hanna.
Pulaski.....	.....	.....	.....	.....
Putnam.....	Hennepin.....	.....	.....	.....
Randolph.....	Sparta.....	Sept. 29 to Oct. 1.....	D. R. McMaster.....	Milton E. Foster.
Randolph.....	Chester.....	October 19—22.....	Wm. A. Gordon.....	Wm. Schuchert.
Richland.....	Olney.....	September 14—18.....	Isaac Welty.....	W. F. Beck.
Rock Island.....	Hillsdale.....	September 15—18.....	M. D. Hanberg.....	J. Sexton.
Saline.....	Harrisburg.....	.....	.....	.....
Sangamon.....	Springfield.....	(State Fair.).....	.....	.....
Schuyler.....	Rushville.....	September 7—10.....	Edwin M. Anderson.....	S. B. Montgomery.
Scott.....	Winchester.....	.....	.....	.....
Shelby.....	Shelbyville.....	September 21—25.....	John A. Tackett.....	Geo. A. Roberts.
Stark.....	Toulon.....	September 21—24.....	Samuel Wrigley.....	B. G. Hall.
St. Clair.....	Belleville.....	October 12—16.....	Joseph Reichert.....	G. T. Hilgard.
Stephenson.....	Freeport.....	No Fair this year.....	Wm. Young.....	Wm. Trembor.
Tazewell.....	Delevan.....	September 13—17.....	Ira B. Hall.....	G. W. Fatten.
Union.....	Jonesboro.....	September 14—18.....	.....	H. C. Bouton.
Vermilion.....	Catlin.....	September 7—10.....	J. H. Oakwood.....	W. S. McClenathan
Vermilion.....	Danville.....	Aug. 31 to Sept. 4.....	L. P. Dickason.....	W. M. Brandy.
Vermilion.....	Hoopeston.....	August 23—27.....	J. A. Cunningham.....	Wm. Glaze.
Wabash.....	Mt. Carmel.....	September 26—30.....	James Litherland.....	Thos. Stone.
Warren.....	Monmouth.....	September 7—10.....	Robt. S. Patton.....	Geo. C. Rankin.
Washington.....	.....	.....	.....	.....
Wayne.....	Fairfield.....	.....	.....	.....
White.....	Carmi.....	September 7—11.....	J. R. Williams.....	R. L. Organ.
Whiteside.....	Sterling.....	September 14—17.....	A. A. Terrell.....	W. F. Eastman.
Whiteside.....	Morrison.....	September 7—10.....	R. E. Logan.....	Ed. J. Conger.
Whiteside.....	Albany.....	September 1—3.....	E. H. Nevitt.....	J. F. Happer.
Will.....	Joliet.....	September 7—10.....	A. A. Francis.....	W. T. Nelson.
Williamson.....	Marion.....	Sept. 28 to Oct. 1.....	R. M. Hundley.....	L. A. Goddard.
Winnebago.....	Rockford.....	September 13—17.....	S. P. Crawford.....	H. P. Kimball.
Woodford.....	El Paso.....	September 14—18.....	Edwin Hodgson.....	D. A. Espy.
State Fair.....	Springfield.....	Sept. 27 to Oct. 2.....	Jas. R. Scott.....	S. D. Fisher.

ILLINOIS SWINE BREEDERS' ASSOCIATION.

Will meet at the Secretary's office, on the Fair Grounds, on

TUESDAY AND WEDNESDAY EVENINGS OF THE FAIR WEEK,

At Seven O'clock P. M.

Papers will be read as follows: Hog Cholera—Its cause—its cure—its preventive; by Ezra Stetson, M. D., of Neponset, Ills. Some of the evil effects of forcing breeding stock into show condition; by N. H. Paaren, M. D., V. S., Chicago, Ills. Judging Swine at Fairs; by P. M. Springer, Sec. American Berkshire Swine Association, Springfield, Ills.

Other subjects of interest to swine breeders will be discussed, and such business transacted as may properly come before the Association. Also the election of officers for the ensuing year.

A. J. LOVEJOY, SECRETARY,
Roscoe, Ills.

CHARLES F. MILLS, PRESIDENT,
Springfield, Ills.

ILLINOIS WOOL GROWERS' ASSOCIATION

Will meet on the Fair Grounds,

WEDNESDAY AND THURSDAY EVENINGS OF THE FAIR WEEK,

At Seven O'clock P. M.

Essays and discussions of interest may be expected. The interest having steadily increased in this Association for several years past, it is expected that this year many more Illinois wool growers will be brought together.

V. P. RICHMOND, SECRETARY,
Moro, Ills.

A. M. GARLAND, PRESIDENT,
Springfield, Ill.

RAILROAD ARRANGEMENTS

FOR THE

CHICAGO FAT STOCK SHOW, 1880.

MICHIGAN CENTRAL
+LAKE SHORE & MICHIGAN SOUTHERN.....

} Will carry Stock to Chicago at local rates, and refund one-half of the amount paid on presentation of Secretary's certificate that the Stock has been on exhibition.

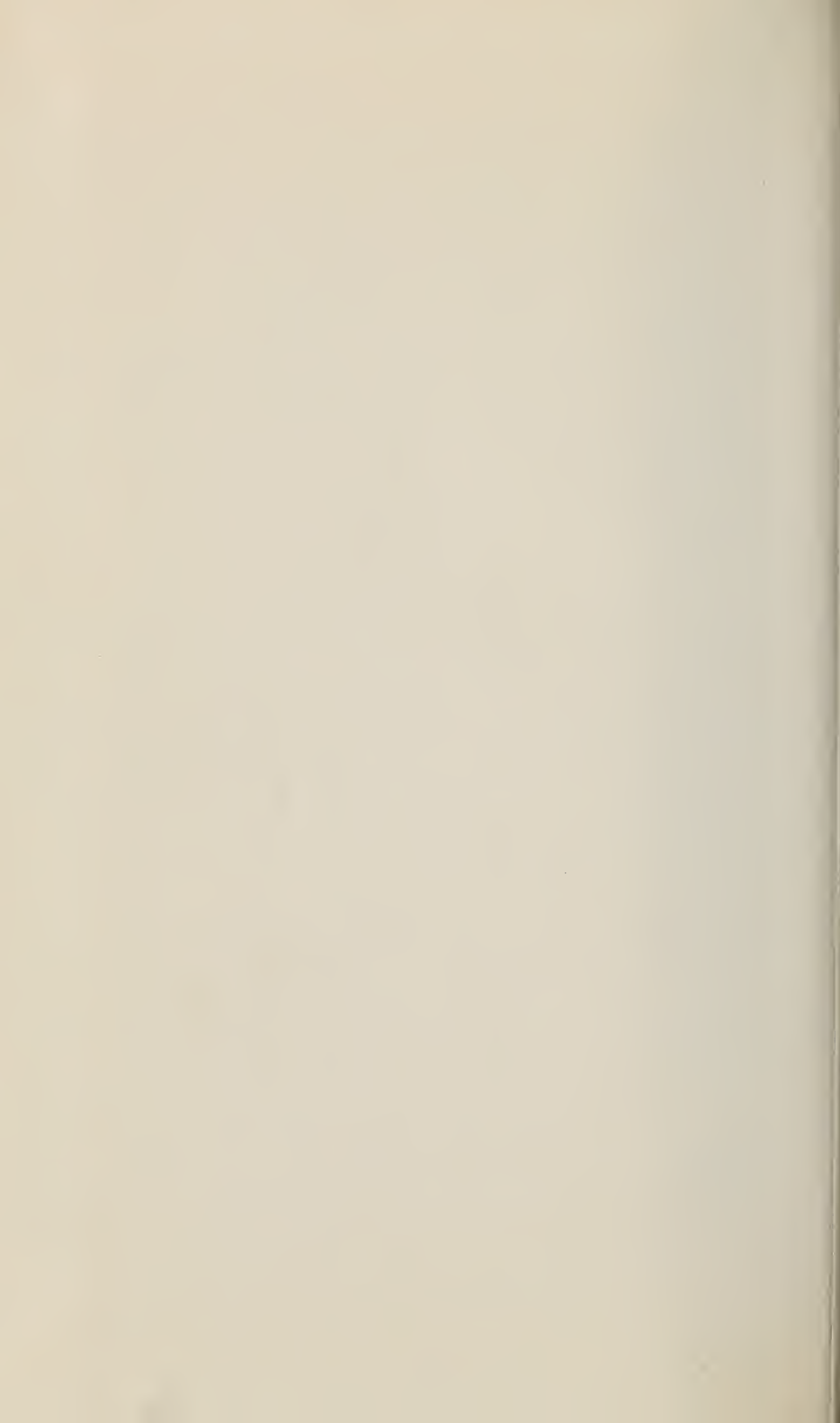
CHICAGO & NORTHWESTERN
CHICAGO, ROCK ISLAND & PACIFIC.....
ILLINOIS CENTRAL.....
CHICAGO & ALTON.....
CHICAGO, BURLINGTON & QUINCY.....
CHICAGO & IOWA.....
CHICAGO, PEKIN & SOUTHWESTERN.....
CHICAGO & EASTERN ILLINOIS

} Will carry Stock to Chicago at regular tariff rate, and refund one-third of the amount paid on presentation of Secretary's certificate that the stock has been on exhibition.

+ Arrangements to apply to Stock shipped in car-loads, or in lots of four animals or more; the revenue of the road in no case to be made less than \$12 for 100 miles or less; \$15 for distances between 100 and 200 miles, and \$20 for distances between 200 and 300 miles.

Paid freight bills with Secretary's certificate should be presented to the railroads when applying for a rebate in freight.

These concessions are made upon condition that the roads are released from any and all liability exceeding \$50 per head, in case of injury by accident or otherwise, while in transit, or while awaiting shipment or delivery at stations.





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